



Harmony iPC

Industrial PC, Edge Box and Display



Harmony

Discover **Harmony**

Advanced operator interface and industrial relays

Harmony operator interface and industrial relays enhance operational efficiency and equipment availability across industrial and building applications. **Harmony** includes intelligent connected products and edge terminals that visualize, gather and process data, enabling informed operator decisions

Explore our offer

- **Harmony** Push Buttons and Switches
- **Harmony** HMI Operator Terminals, IPC and EdgeBox
- **Harmony** Signaling Devices
- **Harmony** Electrical Relays
- **Harmony** Safety

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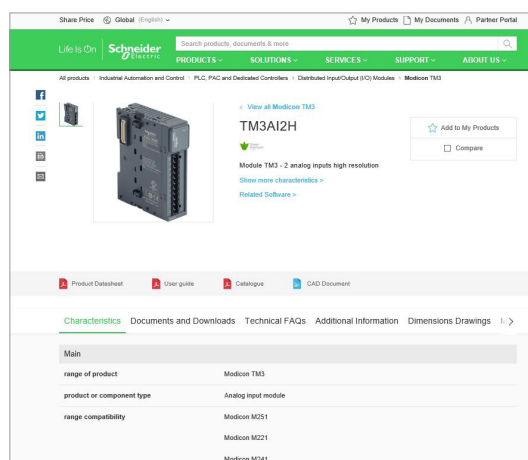
Quick access to product information

Get technical information about your product

References

Modicon TM3
I/O expansion modules for Modicon controllers
Analog I/O modules

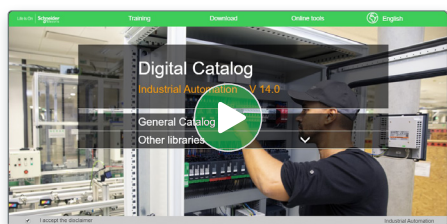
References	Modicon TM3 analog input modules	Input range	Resolution	Input terminal block (1) (terminal block)	Reference	Weight (kg)
2 voltage/current inputs	-10...+10 VDC 0...+10 VDC 0...20 mA / -20 mA	16 bits	0.001	TM3AI20	0.150	
		16 bits	0.002	TM3AI20	0.150	
4 voltage/current inputs	-10...+10 VDC 0...+10 VDC 0...20 mA / -20 mA	12 bits	0.001	TM3AI40	0.200	
		11 bits	0.001	TM3AI40	0.200	
4 voltage/current or temperature inputs (1)	Thermopile (1) (1) K, R, S, E, T, N, E, C Temperature sensor: PT100, PT1000 0...+10 VDC 0...20 mA / -20 mA	16 bits	0.001	TM3AI40	0.200	
		16 bits	0.001	TM3AI40	0.200	
4 differential temperature inputs	Thermopile (1) (1) K, R, S, E, T, N, E, C 0...+10 VDC 0...20 mA / -20 mA	16 bits	0.001	TM3AI40	0.200	
		16 bits	0.001	TM3AI40	0.200	
4 voltage/current	-10...+10 VDC	12 bits	0.001	TM3AI40	0.200	
		11 bits	0.001	TM3AI40	0.200	



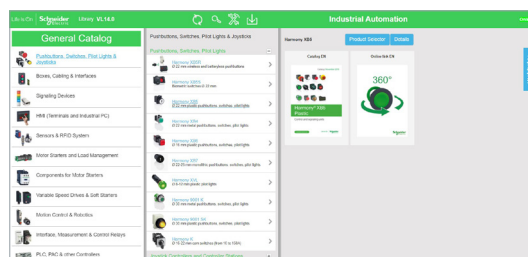
Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

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- > Consult digital automation catalogs at [Digi-Cat Online](#)

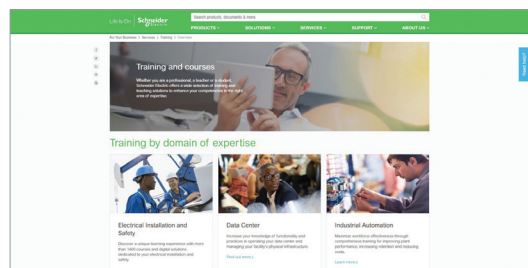


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Harmony *i*PC

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presentation

General presentation

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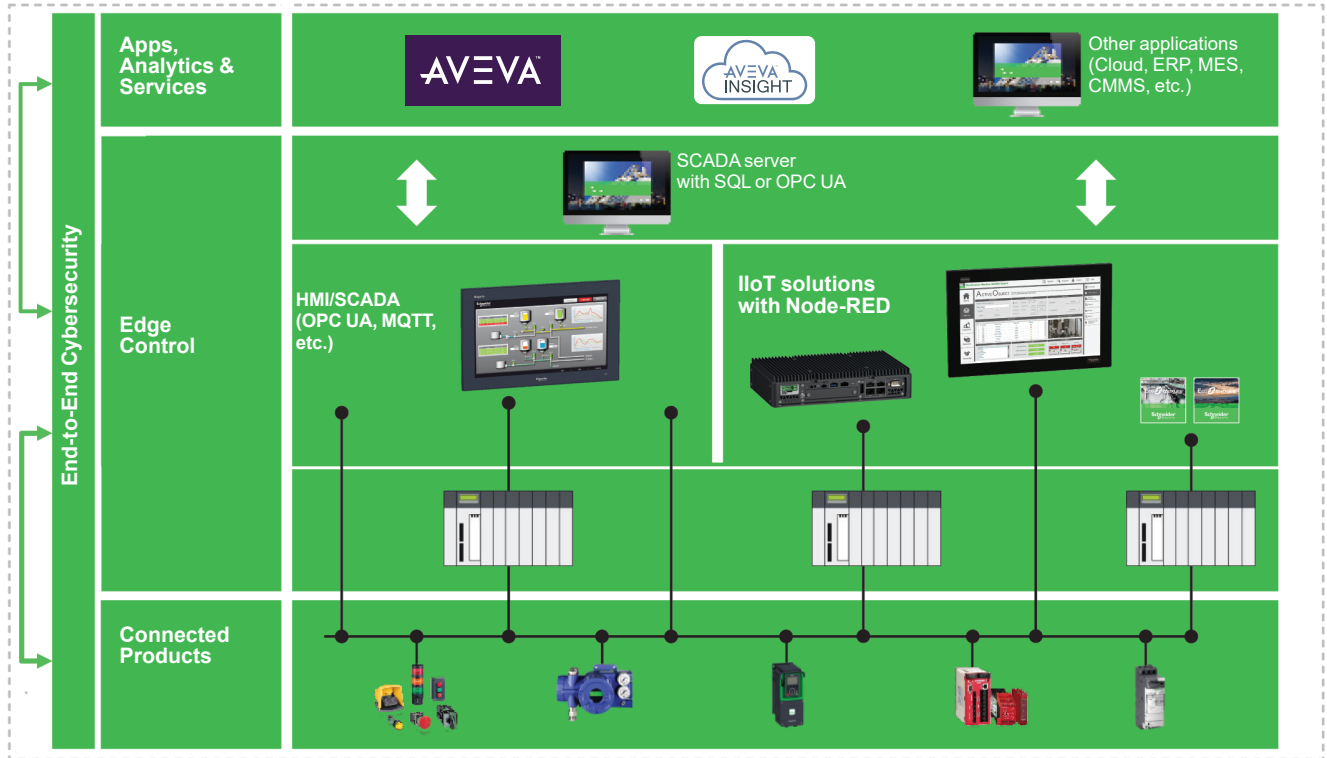
Harmony iPC

Delivering the optimal digital experience at the Edge of EcoStruxure

Harmony Industrial PCs, Edge Box, and Displays, running at the Edge Control level of EcoStruxure improve your productivity and performance with data management functionality and flexibility. Optimized box and display modularity offers a wide choice and ease of screen replacement.

Running associated software, they deliver the next stage of your digital transformation and experience by leveraging asset performance with end-to-end cybersecurity for more efficient operation and maintenance of capital assets.

EcoStruxure Architecture



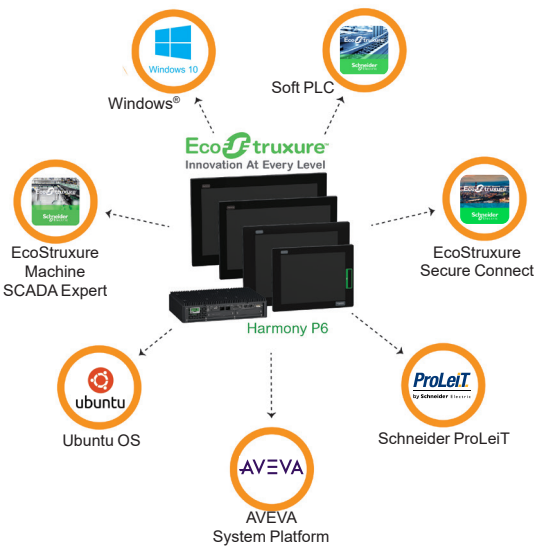
Smart design and engineering

Harmony P6 Industrial PCs and Edge Box shorten implementation time for automation engineers and are more economical throughout the life cycle with optimized design and ease of maintenance.

The online Harmony P6 Product Configurator with enlarged line-up offers many possibilities and when linked with EcoStruxure Plant Builder eases the design of complete automation architectures and solutions. Fast deliveries from the regional Flex Center speed up commissioning of exact-fit applications.

Harmony P6 Industrial PCs and Edge Box are available with preferred software associations that are tested and validated with the optimum hardware configuration. Ultimately, they can be delivered as pre-installed bundles with activation licenses. This offer is versatile and open to applications running Windows software or Linux at the Edge like HMI, SCADA, IIoT Edge, engineering and maintenance tools, thin clients, etc.

There are numerous software applications that can run on Harmony P6 Industrial PCs and Edge Box with Windows or Linux operating systems. For examples of recommended associations and delivery models, see [page 1/6](#).



+ Harmony P6 to digitize industrial machines and plants



Cybersecurity

Harmony P6 Industrial PCs and Edge Box are ready with end-to-end cybersecurity systems to help protect data and assets. They are designed according to IEC 62443 and Achilles standards for industrial automation and control:

- Designed according to standard guidelines for security analysis, threat modeling, tests, user documentation, etc.
- Compliant with Achilles standard, with Trellix allowlisting available as an option
- Hardware encryption of operating system, storage, and passwords can be activated with Windows BitLocker running the TPM (Trusted Platform Module) available as default on the motherboard
- Secure boot and secure operating system settings (passwords, patches, etc.)

Harmony P6 Industrial PCs and Edge Box are also validated with EcoStruxure Secure Connect to create end-to-end cybersecured infrastructure for remote connection to automation sites in the field.

Asset performance

Harmony P6 Industrial PCs and Edge Box deliver a new digital experience at the Edge. They leverage asset performance with predictive maintenance, IoT Edge-to-Cloud connection, Smart Factory, and digitization, meeting the increasing demands of data management, analytics, and dashboards at the Edge.

There are two main IIoT architectures that can run on Harmony P6:

- HMI and SCADA software visualization and connections with drivers available on software like OPC UA and MQTT
- IIoT solutions with Schneider nodes or more advanced IIoT software making the data wiring of the connected products to the apps, analytics, and services at the IT and Cloud levels

Workforce empowerment

With associated software, Harmony P6 provides optimum visualization and control, enhancing the operator experience. The offer leverages operator responsiveness with high-performance quad-core Intel CPUs to maximize business opportunities.

The stylish wide displays provide high visibility during operation and feature:

- Glass-top capacitive multi-touch panel with narrow frame and thin design
- Innovative configurable and noise-resistive touch drivers with three mode settings: default standard mode, glove mode with higher touch sensitivity, and water detection mode, which disables the abnormal touch input

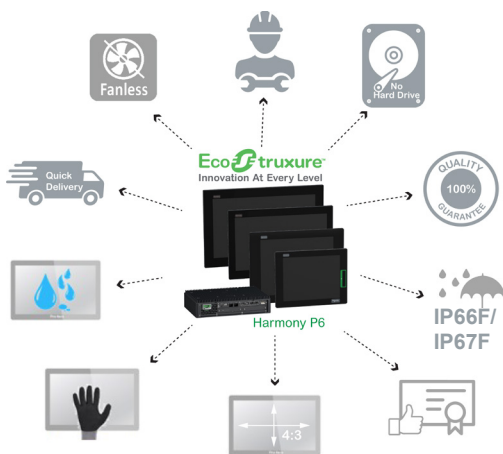
The modularity of Harmony P6 Industrial PCs and Edge Box creates exact-fit Box PCs, Panel PCs, and monitors, allowing the configuration to be adapted for each use while keeping the same operator environment. This consistency of operator workstations at the Edge enables optimum ergonomics throughout the application.

Investment continuity

Harmony P6 Industrial PCs and Edge Box provide investment continuity along their life cycle. They are as robust as an industrial HMI panel in terms of asset reliability and optimization.

They are designed to help ensure reduced failure rate, easy maintenance and replacement, advanced certification, and redundant storage, with configurable and noise-resistive wide touch screens, supporting a long lifecycle.

Harmony P6 Industrial PCs and Edge Box bring a new customer experience to help ensure business continuity with easy selection and migration from legacy products, expanded services support, and regional Flex Centers delivering supply chain efficiencies for both new machines and spare parts, and faster repairs.



1



Harmony P6 Modular Box PCs



Harmony P6 Modular Display



Harmony PSA6 slim Panel PC



Harmony Essential Edge Box

The Harmony P6 Industrial PC family

Harmony P6 Box PCs are high-end industrial PCs with a modularity that facilitates fast delivery, multiple options, and easier mounting. They are available in a 4-Box PC format running on Schneider Electric EdgeOS, Windows 10, or Ubuntu operating system. All 4 Box PCs can be mounted on a Modular Display to make a Panel PC.

Harmony P6 Modular Box PC

- 2x LAN IEEE1588, 1x RS-232C non-isolated, USB Type A (2x USB 2.0 and 2x USB 3.0), USB Type C (1x USB 3.0), 1x display port
- Intel Core™ i7-8665UE, Intel Core™ i5-8365UE, Intel Celeron® 4305UE, and Intel Core™ i3-8145UE processors with up to 32 GB RAM
- 1x PCI + 1x PCIe, 2x PCIe or 2x PCI expansion slots, 1x M.2 SSD SATA, 1x or 2x 2.5-inch SATA (HDD/SSD) storage slots
- 1x or 2x expansion slots for optional interfaces (serial lines, audio, wireless, I/O, Ethernet, UPS, etc.)

Harmony P6 Wide Modular Displays are multi-touch capacitive screens enabling navigation like on a smartphone or tablet. The 4:3 Modular Displays have resistive technology for heavy gloves and to facilitate mounting in legacy systems, but also benefit from innovative multi-touch screens.

Harmony P6 Modular Display

- 4:3 12" and 15" multi-touch (2 points) resistive displays with front USB
- 16:9 10"/12"/15"/19"/22" multi-touch (2 points) projected capacitive displays
- Wide Modular Display supports standard mode, glove mode, and water detection mode
- IP66F, IP67F, Type 1, Type 4X (NEMA indoor use only), Type 13

The Harmony PSA6 All-in-One Panel PC family

Harmony PSA6 is an entry-class industrial Panel PC that is ultra-thin and has an optimized heat sink design. It has a PCAP touchscreen with an elegant glass top for a stunning visual appeal. Other features include a low power consumption and sustainable materials.

Harmony PSA6 slim Panel PCs

- Intel 13th generation CPU Core i5-1345UE and Atom-X7425E
- Windows 11 IoT Enterprise LTSC 2024
- 15" W XGA, 12" W WXGA, 15" W FHD, 19" W FHD multi-touch PCAP displays
- 1x RS-232C, 1x RS-422/485, 4x USB Type-A, 3x Ethernet, 1x DisplayPort

The Harmony Essential Edge Box family

Smart, scalable, and built for the Edge

The Essential Edge Box range from Schneider Electric delivers powerful, compact computing designed for the demands of modern industrial environments. Whether you're enabling real-time data processing, edge analytics, or seamless connectivity with cloud and on-premise systems, Harmony BX1 is your go-to solution for smart manufacturing.

Key highlights of Harmony Essential Edge

- Compact, fanless design for harsh industrial settings
- Dual Ethernet, USB 3.0, HDMI, and CAN-FD interfaces
- Flexible I/O and expansion options for tailored applications
- Secure Linux-based OS for edge control and computing integration
- Easy integration with Schneider Electric's EcoStruxure™ architecture

+ Harmony P6 → Make the most of data to drive profitability, efficiency, and productivity



Harmony FP6 Flat Panel Monitors

The Harmony FP6 Industrial Flat Panel Monitor family

Harmony FP6 Industrial Flat Panel Monitors are robust monitors that can be used in conjunction with Harmony P6 Box PCs, Harmony Industrial PCs, or any third-party PCs. They have the same cut-out dimensions as Operator Panels and legacy monitors, which makes it easy to upgrade installations.

Harmony FP6 Industrial Flat Panel Monitors

- 4:3 12" and 15" multi-touch (2 points) resistive monitors with front USB
- 16:9 10"/12"/15"/19"/22" multi-touch (2 points) projected capacitive monitors with optimized noise filter
- Wide Modular Display supports standard mode, glove mode, and water detection mode
- IP66F, IP67F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 12, Type 13

Recommended associated software for Harmony Industrial PCs

Numerous software applications can run on Harmony P6 Industrial PCs and Edge Box with Windows 10 or Linux operating systems. Such software associations help to digitize plants and machines.

Traditionally, users can either install their own software or have a complete system delivered, to include both hardware and software as a complete project. Harmony Industrial PCs also benefit from innovative options provided by associated software:

- **Solution guide and TVDAs** (Tested Validated Documented Architectures) are available. This documentation facilitates selection, integration, and maintenance of Schneider Electric and partner software associations with Harmony P6. Such tested solutions and architectures help ensure that users can access technical support and repairs from a single contact window, including both hardware and associated software.
- **Configured-to-order using Harmony Online Product Selector.** A selection of software licenses are validated and delivered with the Harmony Industrial PC. This means you can make a single digital journey to configure, define architecture, order, receive fast delivery, and then activate the latest versions of the software to run on the Harmony iPC. Even software pre-installation is possible for main associations. This kind of digital journey from a single supplier allows stress-free updates and migration.
- **Kitting for repetitive business.** After having defined and validated your own hardware and software single configuration, you can place dedicated repetitive orders to our regional Flex Center.
- **Edge Manager** to manage a fleet of Edge devices digitally from a central Portal in the cloud, all along the full life cycle. The Harmony P6 Industrial PCs and Edge Box are first provisioned pre-enrolled to the Edge platform through the Configured-to-Order process to help ensure cybersecurity and ease of commissioning. They can then be centrally monitored from the Edge Portal to deploy, control, and update their software applications and user project files into those Edge devices.
- **EcoStruxure Edge Apps.** Individual Services and Connectivity Edge apps provide advanced data collection, computation, and analytics at machine or plant level and leverage AI to deliver fast ROI. With EcoStruxure's flexible approach, machine builders and users can either build solutions themselves by combining the Edge platform with private or partner apps, or have it delivered by Schneider Electric.

For more information, refer to the recommended software associations for Harmony Industrial PC (see the selection guide on [page 1/6](#)).






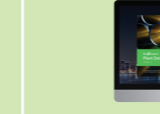





+ Harmony Industrial PCs → Software validated and cybersecured, helping to prevent potential compatibility issues, thus saving time and effort

Harmony iPC

Industrial PC, Edge Box, and Display

Recommended associated software for Harmony Industrial PCs

Numerous software applications can run on Harmony P6 Industrial PCs, PSA6 slim PCs and Edge Box with Windows 10, Schneider Electric EdgeOS or Linux operating systems for digital plants and machines. The table below shows some examples of recommended associations and delivery models.

Domain	Workforce empowerment				Smart design & engineering						Cybersecurity	Investment continuity
Software name												
Software Runtime license for Industrial PC		1.5K and 4K tags 32K and 64K tags	AVEVA installer		HMI Runtime SoftdPAC Windows SoftdPAC Linux	Essential Node RED Performance (2)			EcoStruxure Machine SCADA Expert + Template	Ecostruxure Secure Connect	Stratus EverRun	
Harmony PSA6 (Intel Core i5)	✓✓ User installable	✓✓	✓✓✓	✓✓✓	-	-	-	-	-	✓✓✓ User installable	-	
Harmony PSA6 (Intel Atom)	✓✓✓ User installable	✓✓✓	✓✓	-	-	-	-	-	-	✓✓✓ User installable	-	
Pages	3/5											
Essential Edge Box	-	-	-	-	-	✓✓✓ Pre-installed EcoStruxure Automation Expert, Runtime licenses need to purchased separately by customer, basic system configuration	-	-	-	-	✓✓✓ User installable and starter kit available	-
Pages	4/5											
Configured Standard Harmony P6 iPC (i3 and Windows 10)	✓ Configured-to-order with software license + software pre-installed (1)	✓✓✓ Configured-to-order with software license + software pre-installed (1)	✓✓ Configured-to-order for standalone applications (AVEVA installer delivered pre-installed, ready to use)	✓ Configured-to-order with software license (1)	✓✓✓ On request (2)	✓✓✓ On request with dedicated operating system (2)	- Pre-installed	✓✓✓ User installable or Edge Platform (2)	✓✓✓ User installable with Solution guides	✓✓✓ See Lite SCADA/ EcoStruxure Machine SCADA Expert	✓✓✓ User installable	✓✓✓ User installable with User guide
Configured Advanced Harmony P6 iPC (Celeron, i5, i7 CPUs and Windows 10)	✓ Configured-to-order with software license + software pre-installed (1)	✓✓✓ Configured-to-order with software license + software pre-installed (1)	✓✓✓ Configured-to-order for standalone applications (AVEVA installer delivered pre-installed, ready to use)	✓ Configured-to-order with software license (1)	✓✓✓ On request (2)	✓✓✓ On request with dedicated operating system (2)	- Pre-installed	✓✓✓ User installable or Edge Platform (2)	✓✓✓ User installable with Solution guides	✓✓✓ See Lite SCADA/ EcoStruxure Machine SCADA Expert	✓✓✓ User installable	✓✓✓ User installable with User guide
Harmony P6 Basic Box iPC	✓✓✓ Configured-to-order with software license + software pre-installed (1)	✓✓✓ Configured-to-order with software license + software pre-installed (3)	-	-	-	✓✓ On request (2)	- Pre-installed	- User installable or Edge Platform (2)	✓✓ User installable with Solution guides	✓ User installable	✓✓✓ User installable	✓ User installable with User guide
Pages	2/10 to 2/11											

(1) Configured-to-order: License delivered in the iPC packaging + software pre-installed in Harmony P6.
 (2) On request: Please contact our Customer Care Center.

For more information on supported software, refer to the following catalogs:
 EcoStruxure Machine SCADA Expert (DIA5ED2171201EN)
 EcoStruxure Secure Connect (DIA5ED2190101EN)
 EcoStruxure Automation Expert (DIA3ED2201101EN)
 Vijeo Designer (DIA5ED2130614EN)

✓✓✓ Highly recommended ✓✓ Recommended ✓ Acceptable

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Harmony P6
Modular Box PCs

Harmony P6
Modular Displays

Harmony P6 Modular Box PCs

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Harmony P6 Modular Displays

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Online Product Configurator

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Modular Displays page 2/21



Harmony iPC

Industrial PC, Edge Box, and Display
Harmony P6 Modular Box PCs
Advanced and Standard Modular Box

Type of box **Advanced Modular Box**



Type of cooling	Fanless/Fan with HDD
Mounting	Box Panel PC, Modular Display
CPU	Processor Number of cores/threads Expansion slots Storage slots Memory capacity RAID HDD with Intel Rapid storage
Cybersecurity hardware encryption	TPM 2.0 module (pre-installed)
Operating system	Windows® 10 IoT Enterprise 2019/2021 LTSC (64-bit)/Ubuntu 22.04 LTSE (64-bit)/Schneider Electric EdgeOS (2)
Video controller type	Intel® UHD Graphics 620 (integrated in CPU)
Supply voltage	12...24 V $\overline{\text{DC}}$ or 100...240 V \sim
Power consumption	121 W for DC model/140 VA for AC model
Interface	Ethernet Serial ports USB Display ports Watchdog timer
Reset button and buzzer	Yes
Overall dimensions (W x H x D)	290 x 195 x 65 mm/11.42 x 7.68 x 2.56 in. (with no expandable slots)
Temperature	During operation During storage
Vibration resistance	During operation
Standards and certifications	All models: CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201, and CSA C22.2 No. 213 DC models: IECEx/ATEX for use in Zone 2 gas/Zone 22 dust, DNV
Associated software	Refer to the selection guide on pages 1/6 and 1/7 for more details
Compatible with displays	All Harmony P6 displays (3) and Harmony FP6 industrial monitors
Cybersecurity	EcoStructure Secure Connect, Secure password boot, Trellix allowlisting
References	Available as configured-to-order only and can be ordered using the online Product Selector. For more information, see page 2/16 .
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(1) With HDD and fan: limited to 45 °C/113 °F.
(2) Configuration with Ubuntu or Schneider Electric EdgeOS operating system option to be available from end of Q4 2024.
(3) Except 10" W Harmony P6 display.

Advanced Modular Box Standard Modular Box



Type of cooling	Fanless/Fan with HDD
Mounting	Wall/Book/Flat No
CPU	Intel Celeron® 4305UE, up to 2.0 GHz 2/2 1x PCI + 1x PCIe, 2x PCIe or 2x PCI 1x M.2 SSD SATA, 2x 2.5-inch SATA (HDD/SSD) 4 to 16 GB DDR4 RAM Yes
Cybersecurity hardware encryption	TPM 2.0 module (pre-installed)
Operating system	Windows® 10 IoT Enterprise 2019/2021 LTSC (64-bit)/Ubuntu 22.04 LTSE (64-bit)/Schneider Electric EdgeOS (2)
Video controller type	Intel UHD Graphics 610 (integrated in CPU)
Supply voltage	12...24 V $\overline{\text{DC}}$ or 100...240 V \sim
Power consumption	121 W for DC model/140 VA for AC model
Interface	Ethernet Serial ports USB Display ports Watchdog timer
Reset button and buzzer	Yes
Overall dimensions (W x H x D)	290 x 195 x 65 mm/11.42 x 7.68 x 2.56 in. (with no expandable slots)
Temperature	During operation During storage
Vibration resistance	During operation
Standards and certifications	All models: CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201, and CSA C22.2 No. 213 DC models: IECEx/ATEX for use in Zone 2 gas/Zone 22 dust, DNV
Associated software	Refer to the selection guide on pages 1/6 and 1/7 for more details
Compatible with displays	All Harmony P6 displays and Harmony FP6 industrial monitors
Cybersecurity	EcoStructure Secure Connect, Secure password boot, Trellix allowlisting
References	Available as configured-to-order only and can be ordered using the online Product Selector. For more information, see page 2/16 .
Pages	2/10

(1) With HDD and fan: limited to 45 °C/113 °F.
(2) Configuration with Ubuntu or Schneider Electric EdgeOS operating system option to be available from end of Q4 2024.
(3) Except 10" W Harmony P6 display.

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony P6 Modular Box PCs
Basic Box

Type of box

Basic Box - 4 Core



Number of cores	4
Type of cooling	Fanless
Mounting	Box Wall/Book/Flat Panel PC, Modular Display
CPU	Processor: Intel Atom® x6425E, up to 3.0 GHz Expansion slots: No Storage slots: 1x M.2 SSD SATA, 1x M.2 Key B, 1x SD card slot Memory capacity: 8 GB DDR4 RAM RAID HDD with Intel Rapid storage: No
Cybersecurity hardware encryption	TPM 2.0 (pre-installed)
Operating system	Windows® 10 IoT Enterprise 2021 LTSC (64-bit)
Video controller type	Intel® UHD Graphics for 10th Gen Intel® Processors
Supply voltage	12...24 V ---
Power consumption	45 W (max.)
Interface	Ethernet: 2x IEEE 1588, RJ45 Ethernet, 10/100/1,000 Mbps, Wake-on-LAN (WOL) Serial ports: 2x RS-232C/422/485 (non-isolated) USB: USB Type A: 2x USB 3.1 Gen1, USB Type C: 1x USB 3.1 Gen1 Display ports: 1x DP 1.2 (dual-mode DP++) Watchdog timer: System reset output, 1 sec or 1 minute with 255 levels
Reset button and buzzer	Yes
Overall dimensions (W x H x D)	250 x 165 x 37 mm/9.84 x 6.5 x 1.46 in.
Temperature	During operation: 0...55 °C/32 131 °F During storage: -20...60 °C/-4...140 °F
Vibration resistance	During operation: IEC/EN 61131-2 compliant, 5...9 Hz single amplitude 3.5 mm/0.14 in. 9...150 Hz fixed acceleration: 9.8 m/s ² , X, Y, Z directions for 10 cycles (approximately 100 minutes)
Standards and certifications	All models: CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201, and CSA C22.2 No. 213 DC models: IECEx/ATEX for use in Zone 2 gas/Zone 22 dust (1), DNV (1)
Associated software	Refer to the selection guide on pages 1/6 and 1/7 for more details
Compatible with displays	All Harmony P6 displays and Harmony FP6 industrial monitors
Cybersecurity	EcoStructure Secure Connect, Secure password boot, Trellix allowlisting
References	Available as configured-to-order only and can be ordered using the online Product Selector. For more information, see page 2/16 .
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(1) Available in Q4 2024.

Basic Box - 2 Core



Number of cores	2
Type of cooling	Fanless
Mounting	Box Wall/Book/Flat Panel PC, Modular Display
CPU	Processor: Intel Atom® x6211E, up to 3.0 GHz Expansion slots: No Storage slots: 1x M.2 SSD SATA, 1x M.2 Key B, 1x SD card slot Memory capacity: 4 GB DDR4 RAM RAID HDD with Intel Rapid storage: No
Cybersecurity hardware encryption	TPM 2.0 (pre-installed)
Operating system	Windows® 10 IoT Enterprise 2021 LTSC (64-bit)
Video controller type	Intel® UHD Graphics for 10th Gen Intel® Processors
Supply voltage	12...24 V ---
Power consumption	45 W (max.)
Interface	Ethernet: 2x IEEE 1588, RJ45 Ethernet 10/100/1,000 Mbps, Wake-on-LAN (WOL) Serial ports: 2x RS-232C/422/485 (non-isolated) USB: USB Type A: 2x USB 3.1 Gen1, USB Type C: 1x USB 3.1 Gen1 Display ports: 1x DP 1.2 (dual-mode DP++) Watchdog timer: System reset output, 1 sec or 1 minute with 255 levels
Reset button and buzzer	Yes
Overall dimensions (W x H x D)	250 x 165 x 37 mm/9.84 x 6.5 x 1.46 in.
Temperature	During operation: 0...55 °C/32 131 °F During storage: -20...60 °C/-4...140 °F
Vibration resistance	During operation: IEC/EN 61131-2 compliant, 5...9 Hz single amplitude 3.5 mm/0.14 in. 9...150 Hz fixed acceleration: 9.8 m/s ² , X, Y, Z directions for 10 cycles (approximately 100 minutes)
Standards and certifications	All models: CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201, and CSA C22.2 No. 213 DC models: IECEx/ATEX for use in Zone 2 gas/Zone 22 dust (1), DNV (1)
Associated software	Refer to the selection guide on pages 1/6 and 1/7 for more details
Compatible with displays	All Harmony P6 displays and Harmony FP6 industrial monitors
Cybersecurity	EcoStructure Secure Connect, Secure password boot, Trellix allowlisting
References	Available as configured-to-order only and can be ordered using the online Product Selector. For more information, see page 2/16 .
Pages	2/11

2/11

Harmony iPC

Industrial PC, Edge Box, and Display

Harmony P6 Modular Box PCs

2



Harmony P6 Modular Box PCs

Presentation

Harmony P6 connects OT (Operational Technology) in the field to IT (Information Technology) for the Industrial Internet of Things. With WiFi, Bluetooth, and Windows operating system running on an Intel Core/Celeron CPU, it is well equipped to wire the Internet of Things.

This range features interface modularity with slot-in design for HDD/SSD, optional interfaces, and optional PCI/PCIe slots for Advanced Box only. The two standard Ethernet ports allow OT and IT communications to be separated if necessary. The secure password boot and TPM encryption module afford a high level of cybersecurity by design.

Overview of the offer

Harmony P6 Modular Box PC

The Harmony P6 offer comprises Advanced and Standard boxes, each equipped with:

■ Advanced Modular Box PC

- Intel Core/Celeron processor and UHD graphics accelerator
- Operating system: Windows® 10 IoT Enterprise 2019/2021 LTSC (64-bit) or Ubuntu 22.04 LTSC (64-bit) (1) or Schneider Electric EdgeOS (1)
- Connection ports: USB Type A (2x USB 2.0 and 2x USB 3.0), USB Type C (1x USB 3.0), 1x COM RS-232C, 2x RJ45 Ethernet, 1x Display port
- Expansion slots: 1x PCI + 1x PCIe, 2x PCIe or 2x PCI
- Storage: 1x M.2 SSD SATA, 2x 2.5-inch SATA (HDD/SSD)
- Power supply: 12...24 V $\overline{\text{---}}$, 100...240 V \sim
- Default TPM module for encryption

■ Standard Modular Box PC

- Intel Core processor and UHD graphics accelerator
- Operating system: Windows® 10 IoT Enterprise 2019/2021 LTSC (64-bit) or Ubuntu 22.04 LTSC (64-bit) (1) or Schneider Electric EdgeOS (1)
- Connection ports: USB Type A (2x USB 2.0 and 2x USB 3.0), USB Type C (1x USB3.0), 1x COM RS-232C, 2x RJ45 Ethernet, 1x Display port
- Storage: 1x M.2 SSD SATA, 1x 2.5-inch SATA (HDD/SSD)
- Power supply: 12...24 V $\overline{\text{---}}$, 100...240 V \sim
- Default TPM module for encryption

■ Basic Box

- Intel Atom 1.3 GHz (2 cores)/2.0G Hz (4 cores), UHD graphics accelerator
- Operating system: Windows® 10 IoT Enterprise 2021 LTSC (64-bit)
- Memory: 4 or 8 GB DDR4 RAM
- Storage: 2x M.2 SSD SATA storage slots and SD card
- Connection ports: USB Type A (2x USB 3.0), USB Type C (1x USB3.0), 2x COM RS-232C/422/485, 2x RJ45 Ethernet, 1x Display port
- 1x interface slot
- Power supply: 12...24 V $\overline{\text{---}}$, 100...240 V \sim
- Default TPM module for encryption

Harmony P6 Modular Boxes are ordered using the Product Configurator. For more information on the configured-to-order options, see [page 2/16](#).

(1) Configuration with Ubuntu or Schneider Electric EdgeOS operating system option to be available from end of Q4 2024.

Harmony iPC

Industrial PC, Edge Box, and Display

Harmony P6 Modular Box PCs



EcoStruxure Machine SCADA Expert



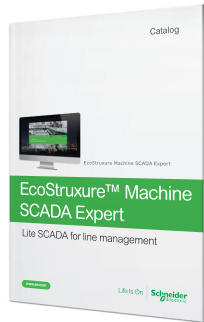
EcoStruxure Secure Connect

Ready-to-run software for Harmony P6

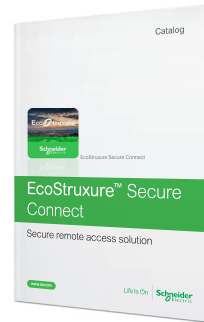
Harmony P6 PCs are supported by Schneider Electric HMI software. Harmony P6 PCs running EcoStruxure Machine SCADA Expert can be selected from the on-line configurator and delivered as an optimal bundle to improve your business.

For secure remote access, Harmony P6 PCs are supported with EcoStruxure Secure Connect that will have to be installed and activated with subscription.

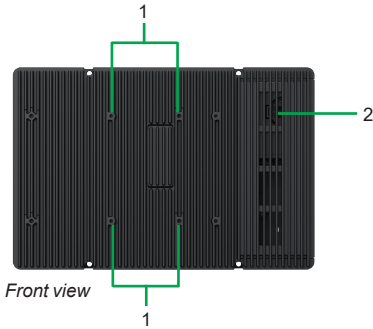
For more information on the supported software, refer to the following catalogs:



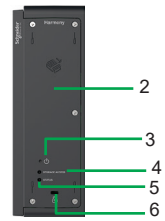
DIA5ED2171201EN



DIA5ED2190101EN



Front view



Side view

Description

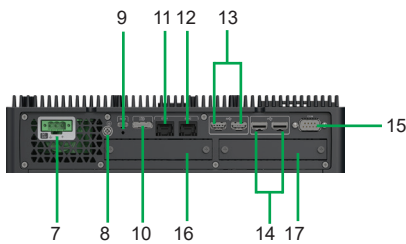
Advanced/Standard Modular Box PCs

Front view

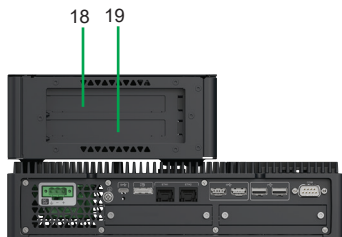
- 1 Mounting holes for VESA 100 x 100 (1)
- 2 Maintenance hatch

Side view

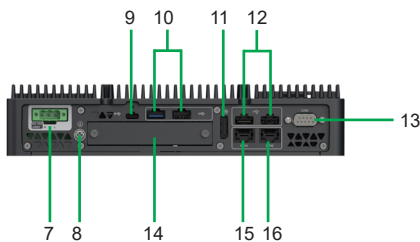
- 3 Power supply button
- 4 Storage access LED
- 5 Power LED
- 6 Security lock slot (2)



Underside view of Advanced Modular Box



Underside view of Advanced Modular Box with expansion slot and fan



Underside view of Standard Modular Box

Underside view of Advanced Modular Box PC

- 7 DC/AC power connector
- 8 PE terminal
- 9 USB 3.0 (Type C)
- 10 Display port
- 11 Ethernet 1 (10/100/1000 Mbps) IEEE 1588
- 12 Ethernet 2 (10/100/1000 Mbps) IEEE 1588
- 13 USB 3.0 (Type A) (3)
- 14 USB 2.0 (Type A) (3)
- 15 COM port RS-232C (non-isolated)
- 16 Optional interface slot 1
- 17 Optional interface slot 2
- 18 PCI/PCle card slot 1
- 19 PCI/PCle card slot 2

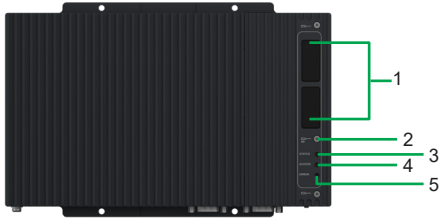
Underside view of Standard Modular Box PC

- 7 DC/AC power connector
- 8 PE terminal
- 9 USB 3.0 (Type C)
- 10 USB 3.0 (Type A) (3)
- 11 Display port
- 12 USB 2.0 (Type A) (3)
- 13 COM port RS-232C (non-isolated)
- 14 Optional interface slot
- 15 Ethernet 1 (10/100/1000 Mbps) IEEE 1588
- 16 Ethernet 2 (10/100/1000 Mbps) IEEE 1588

(1) For Advanced Boxes when PCI/PCle slot is installed, VESA mounting is not possible.

(2) Only Kensington lock supported.

(3) USB storage devices that support USB 3.0 are recommended. Use USB 3.0 port to connect these storage devices.



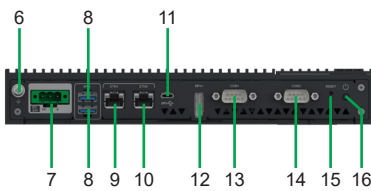
Front view of Basic box

Description

Basic Box PCs

Front view

- 1 Optional module interface
- 2 SD slot screw
- 3 Status LED
- 4 Storage access LED
- 5 Error LED



Underside view of Basic box

Underside view

- 6 PE terminal (\perp)
- 7 DC power connector
- 8 USB 3.1 Gen1 (Type A)
- 9 Ethernet interface (ETH1)
- 10 Ethernet interface (ETH2)
- 11 USB 3.1 Gen1 (Type C)
- 12 Display port
- 13 Serial interface (RS-232C/422/485) (COM1)
- 14 Serial interface (RS-232C/422/485) (COM2)
- 15 Reset button
- 16 Power button



Side view of Basic box

Side view

- 17 SD slot cover

2



HMIP63D10N108NEN00



HMIP63F10N108NEN00



HMIP63F10N108NEN00



HMIP63B10N108NEN00

References

Harmony P6 Advanced/Standard Modular Box PCs

Product type	Processors	Screen	Reference
Modular box PC + Touch panel screen (Panel PC)	Core i3 8145UE	16:9, 10.1" display, (1280 x 800 pixels)	HMIP63D10N108NEN00
		4:3, 12.1" display, (1024 x 768 pixels)	HMIP63610N108NEN00
		16:9, 12.1" display, (1280 x 800 pixels)	HMIP63E10N108NEN00
		4:3, 15" display, (1024 x 768 pixels)	HMIP63710N108NEN00
		16:9, 15.6" display, (1366 x 768 pixels)	HMIP63F10N108NEN00
		16:9, 18.5" display, (1920 x 1080 pixels)	HMIP63G10N108NEN00
		16:9, 21.5" display, (1920 x 1080 pixels)	HMIP63A10N108NEN00
Modular box PC	Celeron 4305UE	4:3, 12.1" display, (1024 x 768 pixels)	HMIP6C6D0N104NJN00
		16:9, 12.1" display, (1280 x 800 pixels)	HMIP6CED0N104NJN00
		4:3, 15" display, (1024 x 768 pixels)"	HMIP6C7D0N104NJN00
		16:9, 15.6" display, (1366 x 768 pixels)	HMIP6CFD0N104NJN00
		16:9, 18.5" display, (1920 x 1080 pixels)	HMIP6CGD0N104NJN00
		16:9, 21.5" display, (1920 x 1080 pixels)	HMIP6CAD0N104NJN00
		NA	HMIP63B10N108NEN00
	Celeron 4305UE	HMIP6CBD0N104NJN00	



HMIP6ADB0NA0DNAN00



HMIP6A7B0NA0DNAN00



HMIP6AAB0NA0DNAN00



HMIP6ABB0NA0DNAN00

References

Harmony P6 Basic Modular Box PCs

Product type	Processors	Screen	Reference
Modular box PC + Touch panel screen (Panel PC)	Atom 2 Cores	16:9, 10.1" display, (4096 x 2304 pixels)	HMIP6ADB0NA0DNAN00
		4:3, 12.1" display, (4096 x 2304 pixels)	HMIP6A6B0NA0DNAN00
		16:9, 12.1" display, (4096 x 2304 pixels)	HMIP6AEB0NA0DNAN00
		4:3, 15" display, (4096 x 2304 pixels)	HMIP6A7B0NA0DNAN00
		16:9, 15.6" display, (4096 x 2304 pixels)	HMIP6AFB0NA0DNAN00
	Atom 4 Cores	16:9, 18.5" display, (4096 x 2304 pixels)	HMIP6AGB0NA0DNAN00
		16:9, 21.5" display, (4096 x 2304 pixels)	HMIP6AAB0NA0DNAN00
		16:9, 10.1" display, (4096 x 2304 pixels)	HMIP6DDB0NA0WVAN00
		4:3, 12.1" display, (4096 x 2304 pixels)	HMIP6D6B0NA0WVAN00
		16:9, 12.1" display, (4096 x 2304 pixels)	HMIP6DEB0NA0WVAN00
Modular box PC	Atom 2 Cores	4:3, 15" display, (4096 x 2304 pixels)	HMIP6D7B0NA0WVAN00
		16:9, 15.6" display, (4096 x 2304 pixels)	HMIP6DFB0NA0WVAN00
		16:9, 18.5" display, (4096 x 2304 pixels)	HMIP6DGB0NA0WVAN00
		16:9, 21.5" display, (4096 x 2304 pixels)	HMIP6DAB0NA0WVAN00
		NA	HMIP6ABB0NA0DNAN00
	Atom 4 Cores		HMIP6DBB0NA0WVAN00

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony P6 Modular Displays
Modular Displays

Type of display	Modular Displays	
Model	4:3 12" touch screen	4:3 15" touch screen



Display	Type	TFT color LCD flat screen	
	Size	4:3 12.1"	4:3 15.0"
	Resolution	XGA, 1024 x 768 pixels, 16 million colors	
	Degree of protection	IP66F, IP67F, Type 1, Type 4X (NEMA indoor use only), Type 13	
	Surface design	Plastic overlay	
	Touch operation	Resistive analog multi-touch (2 points)	
	Touch mode configuration	Not applicable because of resistive analog touch panel	
	Backlight service life	50,000 hours and more	
Interface	On the front panel	1x USB 2.0 (Type A) with front USB cover	
Supply voltage		From Box PC	
Standards and certifications (when mounted on front panel of Box PC)		All models: CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201, and CSA C22.2 No. 213 DC models: IECEx/ATEX for use in Zone 2 gas/Zone 22 dust, DetNorske Veritas - Germanischer Lloyd (DNV-GL)	
Power consumption	With Advanced Modular Box	AC model: 156 VA max. DC model: 136 W max.	AC model: 161 VA max. DC model: 141 W max.
	With Standard Modular Box	AC model: 77 VA max DC model: 68 W max.	AC model: 82 VA max DC model: 72 W max.
Mounting	Panel PC (with Box PC)	On front enclosure or VESA 100 x 100 with mounting kit HMIYPVESA●●●●●1 on rear of Box PC	
Dimensions	Overall dimensions (W x H x D)	315 x 241 x 32 mm/ 12.40 x 9.49 x 1.25 in.	397 x 296 x 30 mm/ 15.63 x 11.65 x 1.18 in.
	Cut-out (W x H)	301.5 x 227.5 mm/11.87 x 8.96 in.	383.5 x 282.5 mm/15.1 x 11.12 in.
Temperature	During operation	Conforming to EN/IEC 60068-2-30: 0...60 °C/32...150 °F	
	During storage	Conforming to IEC 61000-4/EN 55011: -30...70 °C/-22...158 °F	
Compatible with boxes		All Standard, Advanced, and Basic Modular Box PCs	
References		HMIDM6600TM	HMIDM6700TM
Pages		2/15	

(1) W10" HMIDM6500WC is compatible with Standard Modular Box only.

Modular Displays				
W10" touch screen	W12" touch screen	W15" touch screen	W19" touch screen	W22" touch screen



Display	TFT color LCD flat screen				
	W10.1"	W12.1"	W15.6"	W18.5"	W21.5"
	WXGA, 1280 x 800 pixels, 16 million colors		FWXGA, 1366 x 768 pixels, 16 million colors	FHD, 1920 x 1080 pixels, 16 million colors	
	IP66F, IP67F, Type 1, Type 4X (NEMA indoor use only), Type 13				
	Glass-top				
	Projective capacitive multi-touch (2 points) with optimized noise filter				
	Yes (standard mode, glove mode, water detection mode)				
	50,000 hours and more				
Interface	-				
Supply voltage	From Box PC				
Standards and certifications (when mounted on front panel of Box PC)	All models: CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201, and CSA C22.2 No. 213 DC models: IECEx/ATEX for use in Zone 2 gas/Zone 22 dust, DetNorske Veritas - Germanischer Lloyd (DNV-GL)				
Power consumption	-	AC model: 158 VA max. DC model: 138 W max.	AC model: 159 VA max. DC model: 139 W max.	AC model: 170 VA max. DC model: 150 W max.	AC model: 173 VA max. DC model: 153 W max.
	AC model: 74 VA max. DC model: 65 W max.	AC model: 79 VA max. DC model: 69 W max.	AC model: 80 VA max. DC model: 70 W max.	AC model: 92 VA max. DC model: 82 W max.	AC model: 95 VA max. DC model: 85 W max.
Mounting	On front enclosure or VESA 100 x 100 with mounting kit HMIYPVESA●●●●●1 on rear of Box PC				
Dimensions	268.5 x 198.5 x 30 mm/ 10.57 x 7.81 x 1.18 in.	308.5 x 230.5 x 30 mm/ 12.15 x 9.07 x 1.18 in.	408 x 264 x 30 mm/ 16.06 x 10.39 x 1.18 in.	463.6 x 293.6 x 32 mm/ 18.25 x 11.55 x 1.25 in.	532.6 x 330.6 x 32 mm/ 20.97 x 13.02 x 1.25 in.
	255 x 185 mm/ 10.04 x 7.28 in.	295 x 217 mm/ 11.61 x 8.54 in.	394 x 250 mm/ 15.51 x 9.84 in.	449.5 x 279.5 mm/ 17.7 x 11.0 in.	518.5 x 316.5 mm/ 20.41 x 12.46 in.
Temperature	Conforming to EN/IEC 60068-2-30: 0...50 °C/32...122 °F				
	Conforming to IEC 61000-4/EN 55011: -30...70 °C/-22...158 °F				
Compatible with boxes	All Standard, Advanced, and Basic Modular Box PCs (1)				
References	HMIDM6500WC	HMIDM6600WC	HMIDM6700WC	HMIDM6800WC	HMIDM6900WC
Pages	2/15				

(1) W10" HMIDM6500WC is compatible with Standard Modular Box only.



More technical information on www.se.com



More technical information on www.se.com

2



Harmony P6 Modular Displays

Presentation

Harmony P6 Modular Displays are monitors designed to be easily integrated with Harmony P6 Standard, Advanced, and Basic Modular Box PCs. In addition to offering multiple options, the modularity feature reduces maintenance as the display can be independently replaced without changing the complete model.

The Harmony P6 screens are certified for:

- All models: CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201, and CSA C22.2 No. 213
- DC models: IECEx/ATEX for use in Zone 2 gas/Zone 22 dust, DNV

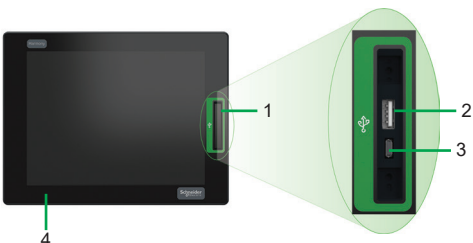
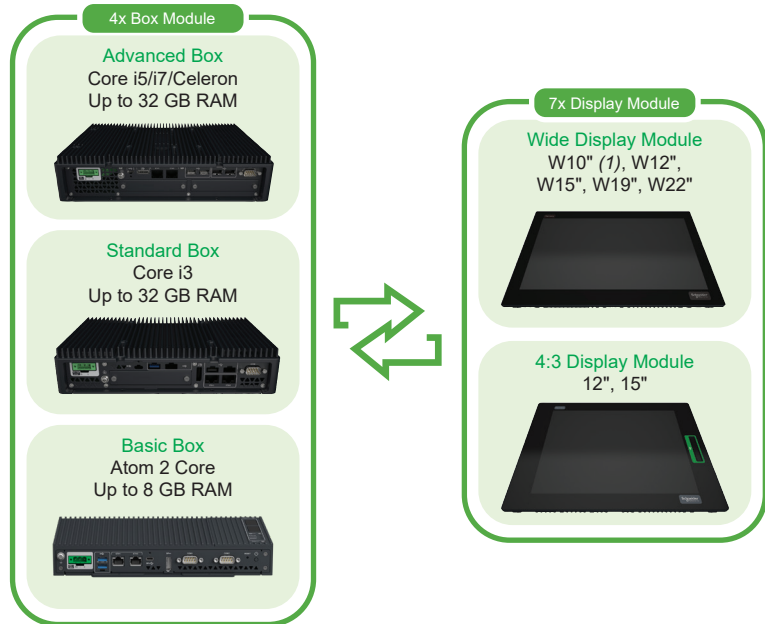
Overview of the offer

Harmony P6 Modular Displays are available in 4:3 and Wide versions each equipped with:

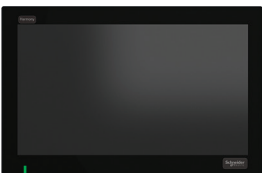
- **4:3 Modular Display**
 - 12.1" and 15.0" (XGA) color LCD multi-touch (2 points) analog resistive screen, 1x USB 2.0 (Type A) with front USB cover
- **Wide Modular Display**
 - 10.1" and 12.1" (WXGA), 15.6" (FWXGA), 18.5", and 21.5" (FHD) color LCD multi-touch (2 points) projected capacitive screens

Architecture

Harmony P6 Modular Displays are compatible and easily mountable with all Harmony P6 Modular Boxes. This modularity provides a wide choice, fast delivery, and ease of screen replacement.



4:3 modular display front view



Wide modular display front view

Description

- 1 Front USB cover
- 2 USB 2.0 (Type A) (2)
- 3 USB 2.0 Micro-B (3)
- 4 Multi-color status LED (green and orange) indicating the mode

(1) W10" HMIDM6500WC is compatible with Standard Modular Box only.
(2) By default, the front USB is disabled.
(3) This interface is not usable.



HMIDM6700TM



HMIDM6800WC



HMIDM6900WC

References

Harmony P6 Modular Displays

Description	Screen	Interface	Reference	Weight kg/lb
12" TFT LCD display flat screen	4:3 12.1", XGA (1024 x 768 pixels)	Multi-touch (2 points) analog resistive	HMIDM6600TM	2.40/5.30
15" TFT LCD display flat screen	4:3 15.0", XGA (1024 x 768 pixels)		HMIDM6700TM	3.70/8.16
W10" TFT LCD display flat screen	10.1" W, WXGA (1280 x 800 pixels)	Multi-touch (2 points) projected capacitive	HMIDM6500WC	2.00/4.41
W12" TFT LCD display flat screen	12.1" W, WXGA (1280 x 800 pixels)		HMIDM6600WC	2.60/5.73
W15" TFT LCD display flat screen	15.6" W, FWXGA (1366 x 768 pixels)		HMIDM6700WC	4.00/8.82
W19" TFT LCD display flat screen	18.5" W, FHD (1920 x 1080 pixels)		HMIDM6800WC	4.90/10.80
W22" TFT LCD display flat screen	21.5" W, FHD (1920 x 1080 pixels)		HMIDM6900WC	6.50/14.33





[How to select the Industrial PC and build a Plant Architecture](#)
Click to view the video (5 min 32 sec)

Presentation

The Harmony P6 Product Configurator is an online software tool embedded in the Schneider Electric website to help configure the right product and accessories from the extensive line-up and associated software. With this online configurator, Harmony P6 offers a smooth journey of reduced design time and multiple possibilities. This tool simplifies and expedites the ordering process via e-mail to our Customer Care Center. The final output from the configurator is an alphanumeric product code representing the configured Harmony P6 to obtain the price and place your order.

The Product Configurator offers the following benefits:

- Easy access: No login, direct access on Schneider Electric website
- Compatibilities between core product and accessories are constantly tested
- Simplified reordering, remote help, and servicing for the same product using the configurator product code

Description

Online Product Configurator

The following steps explain how to build and generate the Harmony P6 configured product code in the online Product Configurator:

- 1 Navigate to the Harmony P6 range page on www.se.com/hmiipc.
- 2 Click on "Product Configurator" and choose the CPUs, displays, power supplies, storage options, memories, optional interfaces, expansion slots, operating system, and associated software based on your requirement.
- 3 An alphanumeric product code representing the complete component selection list is automatically generated. This will be your configured product code for all future communications.

Select your Harmony P6

Select Characteristics
HMIP6 HMIP65FDON258B3X00

Schneider 13 / A

Processor name **Intel Core i5**

Display size **12"** **15"** **W12"** **W15"** **W19"** **W22"** **None**

Display resolution **1366 x 768 pixels FWXGA**

[Us] rated supply voltage **24 V DC (Advanced Model)** **100...240 VAC (Advanced Model)**

Number of slots **0 slot** **PCI x1 + PCIe x1** **PCIe x2** **PCI x2**

Main Storage **M.2 SSD 128GB (Std Endurance)** **M.2 SSD 128GB (High Endurance)**

My solution
Harmony P6 B

HMIYP6M2128CTO
Internal drive, Harmony P6, M.2 SSD, 128G...
x1

HMIYP6SSD128CTO
Internal drive, Harmony P6, 2.5 inch SSD, 1...
x1

HMIYP6DM4CTO
Memory SO-DIMM, Harmony P6, 4GB for c...
x2

Product code C
HMIP65FDON258B3X00

10 Items Add to Cart

Save | Load | Export

A Configuration area **B** Components list **C** Configured product code

If you have built your Harmony P6 configuration with the Product Configurator:

- 4 Click on "Add to Cart" to add the configured product to the "My Products" page.
- 5 Navigate to the "My Products" cart page and download the Configuration XML file and Product List PDF.
- 6 Please email the downloaded files to our Customer Care Center and specify the Schneider Electric commercial reference part number GCR_HMIP6.

If you cannot access the Harmony P6 Product Configurator:

- 7 Please contact our Customer Care Center and state the Schneider Electric commercial reference part number GCR_HMIP6.
- 8 Configure your Harmony P6 and get the quote with the support of our Customer Care Center.
- 9 Confirm your order.

Note: All selections are preferably to be made in the Product Configurator. If you have difficulty accessing or using the Product Configurator, contact the Schneider Electric Customer Care Center or your Schneider Electric sales representative for more information about Harmony P6 ordering.

My solution
Harmony P6

Parts 9

- HMIYP6MPETHCTO**
Ethernet interface module, Harmony P6, Ex...
x1
- HMIYP6DM8CTO**
Memory SO-DIMM, Harmony P6, 8GB for c...
x2
- HMIYM6800WCCTO**
Display for 19"W, Harmony P6, 1920 x 108...
x1
- HMIYP6M2128LCTO**
Internal drive, Harmony P6, M.2 SSD, 128G...
x1
- HMIYP6PUDCACTO**
Internal 24VDC power supply for advanced ...
x1
- HMIVXLRT64KLV80**
Runtime license, EcoStruxure Machine SCA...
x1
- HMIYP6OSW107CTO**
software, Harmony P6, Operating system, ...
x1
- HMIP67BCTO**
Modular box PC, Harmony P6, advanced Int...
x1

Product code
HMIP67GD0N10AE7L00

9 Items **Add to Cart**

Save | Load | Export

Description (continued)

Harmony P6 product code example

The Schneider Electric commercial reference number for Harmony P6 is GCR_HMIP6. Here is an example of the configurator product code that is generated by selecting the following options in the Product Configurator tool:

Configured product code **HMIP67GD0N10AE7L00**

- Processor: Core i7
- Display: W19"
- Power supply: 24 VDC
- Slots: 0
- Main storage: M.2 SSD 128 GB (Std Endurance)
- Secondary storage: None
- FAN: None
- Memory capacity: 16 GB
- Option: Ethernet
- Operating system: Win10 (Core i7)
- Software package: Machine SCADA Expert RT 64K



Harmony iPC

Industrial PC, Edge Box, and Display

Harmony P6 Modular Box PCs and Modular Displays

Configured-to-order options

Configured-to-order options for Harmony P6 Modular Box and Modular Displays

Option	Description
Processor type	Intel Core™ i7-8665UE, up to 4.4 GHz for Advanced Modular Box
	Intel Core™ i5-8365UE, up to 4.1 GHz for Advanced Modular Box
	Intel Celeron® 4305UE, up to 2.0 GHz for Advanced Modular Box
	Intel Core™ i3-8145UE, up to 3.9 GHz for Standard Modular Box
	Intel Atom® x6425E, up to 3.0 GHz for Basic Modular Box
	Intel Atom® x6211E, up to 3.0 GHz for Basic Modular Box
Modular Displays	None
	Harmony P6 Modular Display 4:3 12"/4:3 15"- XGA
	Harmony P6 Modular Display W10"/W12"- WXGA
	Harmony P6 Modular Display W15"- FWXGA
	Harmony P6 Modular Display W19"/W22"- FHD
Memory capacity	4 GB for Celeron/Atom x6211E
	8 GB
	16 GB for Core i7/i5/i3
	32 GB for Core i7/i5/i3
Power supply	12...24 VDC
	100...240 VAC for Advanced/Standard Modular Box
Operating system	None
	Windows® 10 IoT Enterprise 2019 LTSC (64-bit) for Advanced/Standard Modular Box
	Windows® 10 IoT Enterprise 2021 LTSC (64-bit)
	Ubuntu 22.04 LTSC (64-bit) (except for Basic Modular Box)
	Schneider Electric EdgeOS (64-bit) for Advanced/Standard Modular Box
Main storage device for operating system	None for Advanced/Standard Modular Box
	1x M.2 SSD SATA (128 GB/256 GB/512 GB) for Advanced/Standard Modular Box
	2x 2.5-inch HDD (1 TB) or SSD (128 GB/256 GB/512 GB) for Advanced Modular Box
	1x 2.5-inch HDD (1 TB) or SSD (128 GB/256 GB/512 GB) for Standard Modular Box
	1x M.2 SSD SATA (128 GB) and 1x M.2 SSD SATA (128 GB/256 GB/512 GB) for Basic Modular Box
	1x SD card slot for Basic Modular Box
Optional interfaces	None
	2x RS-422/485 isolated
	2x RS-232 isolated
	4x RS-232C isolated for Advanced Modular Box
	WiFi/Bluetooth
	1x Ethernet (GbE IEEE 1588)
	Audio with Mic-IN, Line-IN, and Line-OUT for Advanced/Standard Modular Box
	EtherCAT for Advanced/Standard Modular Box
	16x DI/8x DO for Advanced/Standard Modular Box
	4G cellular with antenna for US for Advanced/Standard Modular Box
	4G cellular with antenna for EU/Asia/Japan for Advanced/Standard Modular Box
	4G cellular with antenna for US/EU/Asia/Japan for Basic Modular Box
USB Audio Conversion Adapter	
PCI slot configuration	None
	1x PCI + 1x PCIe for Advanced Modular Box
	2x PCIe for Advanced Modular Box
	2x PCI for Advanced Modular Box
Software bundle	None
	EcoStruxure Operator Terminal Expert Runtime license
	EcoStruxure Machine SCADA Expert 500 tags Runtime license
	EcoStruxure Machine SCADA Expert 1,500 tags Runtime license
	EcoStruxure Machine SCADA Expert 4,000 tags Runtime license
	EcoStruxure Machine SCADA Expert 32,000 tags Runtime license
	EcoStruxure Machine SCADA Expert 64,000 tags Runtime license
	AVEVA System Platform installer
	Vijeo Designer
	EcoStruxure Edge Apps - Runtime

Harmony iPC

Industrial PC, Edge Box, and Display

Harmony P6 Modular Box PCs and Modular Displays

Substitution table

Current Harmony iPC		Replaced by Harmony iPC		Compatibility
Description	Reference	Description	Reference	
Harmony iPC Modular Display		Harmony P6 Modular Display		Panel cut-out
19" Wide (FWXGA)	HMIDM9521	19" Wide (Full HD)	HMIDM6800WC	Yes with adapter (HMIZPAT8W1)
15" Wide (FWXGA)	HMIDM7521	15" Wide (FWXGA)	HMIDM6700WC	Yes with adapter (HMIZPAT7W1)
15" Wide (XGA)	HMIDM7421	15" Wide (XGA)	HMIDM6700TM	Yes
12.1" Wide (XGA)	HMIDM6421	12.1" Wide (XGA)	HMIDM6600TM	Yes
12" Wide (WXGA)	HMIDM6521	12" Wide (WXGA)	HMIDM6600WC	Yes with adapter (HMIZPAT6W1)
22" Wide (Full HD)	HMIDMA521	22" Wide (Full HD)	HMIDM6900WC	Yes with adapter (HMIZPAT9W1)

Current Harmony iPC		Replaced by Harmony iPC	
Description	References	Description	References
Harmony iPC Modular Box PC		Harmony P6 Modular Box PC	
Core i7, 8 GB RAM	HMIBMP0174D2001	Core i7, 8 GB RAM	HMIP67BD0N008NNN00
Core i7, 16 GB RAM	HMIBMP0174D200A	Core i7, 16 GB RAM	HMIP67BD0N00ANNN00
Core i7, 8 GB RAM	HMIBMP0174D4001	Core i7, 8 GB RAM	HMIP67BDMN008NNN00
Core i7, 16 GB RAM	HMIBMP0174D400A	Core i7, 16 GB RAM	HMIP67BDMN00ANNN00
Core i7, 16 GB RAM	HMIBMP0174DE00A	Core i7, 16 GB RAM	HMIP67BDEN008NNN00
Core i7, 8 GB RAM, 500 GB HDD, Windows 10	HMIBMPHI74D2801	Core i7, 8 GB RAM, 512 GB M.2, Windows 10	HMIP67BD0N408N7N00
Core i7, 8 GB RAM, 500 GB HDD, Windows 10	HMIBMPHI74D4801	Core i7, 8 GB RAM, 512 GB M.2, Windows 10	HMIP67BDMN408N7N00
Core i7, 8 GB RAM, 128 GB SSD, Windows 10	HMIBMPSI74D2801	Core i7, 8 GB RAM, 128 GB M.2, Windows 10	HMIP67BD0N108N7N00
Core i7, 8 GB RAM, 128 GB SSD, Windows 10	HMIBMPSI74D4801	Core i7, 8 GB RAM, 128 GB M.2, Windows 10	HMIP67BD0N108N7N00
Core i7, 16 GB RAM	HMIBMP0174DI00A	Core i7, 16 GB RAM	HMIP67BDPN00ANNN00
Celeron, 4 GB RAM	HMIBMU0I29D2001	Celeron, 4 GB RAM	HMIP66CBD0N004NNN00
Celeron, 8 GB RAM	HMIBMU0I29D200A	Celeron, 8 GB RAM	HMIP66CBD0N008NNN00
Celeron, 4 GB RAM	HMIBMU0I29D4001	Celeron, 4 GB RAM	HMIP66BDMN004NNN00
Celeron, 8 GB RAM	HMIBMU0I29D400A	Celeron, 8 GB RAM	HMIP66BDMN008NNN00
Celeron, 8 GB RAM	HMIBMU0I29DE00A	Celeron, 8 GB RAM	HMIP66BDEN008NNN00
Celeron, 8 GB RAM	HMIBMU0I29DI00A	Celeron, 8 GB RAM	HMIP66BDPN008NNN00
Celeron, 4 GB RAM, 32 GB CFast, WES 7 64-bit	HMIBMU0I29D2W01	Celeron, 4 GB RAM, 128 GB M.2, Windows 10	HMIP66CBD0N104NCN00
Celeron, 4 GB RAM, 32 GB CFast, WES 7 64-bit	HMIBMU0I29D4W01	Celeron, 4 GB RAM, 128 GB M.2, Windows 10	HMIP66BDMN104NCN00
Celeron, 4 GB RAM, 500 GB HDD, Windows 10	HMIBMUHI29D2801	Celeron, 4 GB RAM, 512 GB M.2, Windows 10	HMIP66CBD0N404NCN00
Celeron, 4 GB RAM, 500 GB HDD, Windows 10	HMIBMUHI29D4801	Celeron, 4 GB RAM, 512 GB M.2, Windows 10	HMIP66BDMN404NCN00
Celeron, 4 GB RAM, 128 GB SSD, Windows 10	HMIBMUSI29D2801	Celeron, 4 GB RAM, 128 GB M.2, Windows 10	HMIP66CBD0N104NCN00
Celeron, 4 GB RAM, 128 GB SSD, Windows 10	HMIBMUSI29D4801	Celeron, 4 GB RAM, 128 GB M.2, Windows 10	HMIP66BDMN104NCN00
IloT Edge 4 GB M.2 DC Windows TPM	HMIBMIEA5DD1E01	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
IloT eMMC DC Windows	HMIBMIEA5DD1101	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
IloT eMMC DC Windows	HMIBMIEA5DD110L	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
Box Atom Basic DC 4 GB, eMMC 64 GB	HMIBMIEA5DD1001	Atom 2 Cores, 4 GB RAM, 128 GB M.2	HMIP6ABB0NA0DNAN00
Box Atom Basic DC 4 GB, eMMC 128 GB	HMIBMIEA5DD100A	Atom 2 Cores, 4 GB RAM, 128 GB M.2	HMIP6ABB0NA0DNAN00
IloT Edge 4 GB M.2 DC Windows TPM	HMIBMOMA5DD1E01	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
Optimized DC 4 GB M.2 DC Windows	HMIBMOMA5DD1101	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
Box Atom Optim DC 4 GB	HMIBMO0A5DD1001	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
Optimized DC 4 GB M.2 DC Windows	HMIBMOMA5DDF10L	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
Box Atom Optimized DC 4 GB Expandable	HMIBMO0A5DDF101	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10	HMIP6ABB0NA0DNAN00
Box Atom Optimized DC 8 GB Expandable	HMIBMO0A5DDF10A	Atom 2 Cores, 8 GB RAM, 128 GB M.2	HMIP6BBB0NA0WNNN00



Harmony iPC

Industrial PC, Edge Box, and Display

Harmony P6 Modular Box PCs and Modular Displays

Substitution table

2

Current Harmony iPC		Replaced by Harmony iPC	
Description	References	Description	References
Harmony iPC Panel PC		Harmony P6 Panel PC	
Core i3, 8 GB RAM, W15" display	HMIPSP0752D1001	Core i3, 8 GB RAM, W15" display	HMIP63F10N008NNN00 HMIZPAT7W1
Core i3, 8 GB RAM, W19" display	HMIPSP0952D1001	Core i3, 8 GB RAM, W19" display	HMIP63G10N808NNN00 HMIZPAT8W1
Core i3, 8 GB RAM, 32 GB CFAST, WES 7 64-bit, W15" display	HMIPSPC752D1W01	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP63F10N108N3N00 HMIZPAT7W1
Core i3, 8 GB RAM, 32 GB CFAST, WES 7 64-bit, W19" display	HMIPSPC952D1W01	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W19" display	HMIP63G10N108N3N00 HMIZPAT8W1
Core i3, 8 GB RAM, 500 GB HDD, Windows 7, W15" display	HMIPSPH752D1701	Core i3, 8 GB RAM, 512 GB M.2, Windows 10, W15" display	HMIP63F10N408N3N00 HMIZPAT7W1
Core i3, 8 GB RAM, 500 GB HDD, Windows 10, W15" display	HMIPSPH752D1801	Core i3, 8 GB RAM, 512 GB M.2, Windows 10, W15" display	HMIP63F10N408N3N00 HMIZPAT7W1
Core i3, 8 GB RAM, 500 GB HDD, Windows 7, W19" display	HMIPSPH952D1701	Core i3, 8 GB RAM, 512 GB M.2, Windows 10, W19" display	HMIP63G10N408N3N00 HMIZPAT8W1
Core i3, 8 GB RAM, 500 GB HDD, Windows 10, W19" display	HMIPSPH952D1801	Core i3, 8 GB RAM, 512 GB M.2, Windows 10, W19" display	HMIP63G10N408N3N00 HMIZPAT8W1
Core i3, 8 GB RAM, 128 GB SSD, Windows 7, W15" display	HMIPSPS752D1701	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP63F10N108N3N00 HMIZPAT7W1
Core i3, 8 GB RAM, 128 GB SSD, Windows 10, W15" display	HMIPSPS752D170L	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP63F10N108N3N00 HMIZPAT7W1
Core i3, 8 GB RAM, 128 GB SSD, Windows 10, W15" display	HMIPSPS752D1801	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP63F10N108N3N00 HMIZPAT7W1
Core i3, 8 GB RAM, 256 GB SSD, Windows 10, W15" display	HMIPSPS752D180L	Core i3, 8 GB RAM, 256 GB M.2, Windows 10, W15" display	HMIP63F10N308N3N00 HMIZPAT7W1
Core i3, 8 GB RAM, 128 GB SSD, Windows 7, W19" display	HMIPSPS952D1701	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W19" display	HMIP63G10N108N3N00 HMIZPAT8W1
Core i3, 8 GB RAM, 128 GB SSD, Windows 7, W19" display	HMIPSPS952D170L	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W19" display	HMIP63G10N108N3N00 HMIZPAT8W1
Core i3, 8 GB RAM, 128 GB SSD, Windows 10, W19" display	HMIPSPS952D1801	Core i3, 8 GB RAM, 128 GB M.2, Windows 10, W19" display	HMIP63G10N108N3N00 HMIZPAT8W1
Core i3, 8 GB RAM, 256 GB SSD, Windows 10, W19" display	HMIPSPS952D180L	Core i3, 8 GB RAM, 256 GB M.2, Windows 10, W19" display	HMIP63G10N308N3N00 HMIZPAT8W1
Slim PC Atom W10"	HMIPSO0552D1001	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W10" display	HMIP6ADB0NA00DNAN00 HMIZPAT5W1
Slim PC Atom W15"	HMIPSO0752D1001	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP6AFB0NA00DNAN00 HMIZPAT7W1
Slim PC Atom W10" HDD Windows 10	HMIPSOH552D1801	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W10" display	HMIP6ADB0NA00DNAN00 HMIZPAT5W1
Slim PC Atom W10" SSD Windows 10	HMIPSO552D1801	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W10" display	HMIP6ADB0NA00DNAN00 HMIZPAT5W1
Slim PC Atom W10" CFAST WES	HMIPSOC552D1W01	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W10" display	HMIP6ADB0NA00DNAN00 HMIZPAT5W1
Slim PC Atom W15" HDD Windows 10	HMIPSOH752D1801	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP6AFB0NA00DNAN00 HMIZPAT7W1
Slim PC Atom W15" SSD Windows 10	HMIPSO5752D1801	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP6AFB0NA00DNAN00 HMIZPAT7W1
Slim PC Atom W15" CFAST WES	HMIPSOC752D1W01	Atom 2 Cores, 4 GB RAM, 128 GB M.2, Windows 10, W15" display	HMIP6AFB0NA00DNAN00 HMIZPAT7W1
Modular Panel W12"	HMIDM6421	Modular Panel W12"	HMIDM6600TM
Modular Panel W15"	HMIDM7421	Modular Panel W15"	HMIDM6700TM
Modular Panel W12"	HMIDM6521	Modular Panel W12"	HMIDM6600WC HMIZPAT6W1
Modular Panel W15"	HMIDM7521	Modular Panel W15"	HMIDM6700WC HMIZPAT7W1
Modular Panel W19"	HMIDM9521	Modular Panel W19"	HMIDM6800WC HMIZPAT8W1
Modular Panel W22"	HMIDMA521	Modular Panel W22"	HMIDM6900WC HMIZPAT9W1



HMIYP6MPR23P2



HMIYP6MPETH



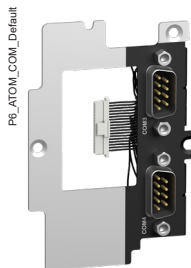
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HMIYP6MPAU



HMIYP6MP4GE



HMIYP6M2R23P2

Accessories

Interfaces

Description	Details	Compatible with	Reference	Weight kg/lb
2x RS-232C isolated	2x RS-232C isolated dedicated interface options	Advanced and Standard Modular Boxes	HMIYP6MPR23P2	0.30/0.66
4x RS-232C	4x RS-232C dedicated interface options		HMIYP6MPR23P4	0.30/0.66
2x RS422/485 isolated	2x RS-485(422) isolated dedicated interface options		HMIYP6MPR42P2	0.30/0.66
WiFi/Bluetooth with antennas	WiFi/Bluetooth with antenna dedicated interface option		HMIYP6MPWF	0.30/0.66
16DI/8DO interface	16x digital inputs, 8x digital outputs with terminal unit dedicated interface option		HMIYP6MPX16Y8	0.30/0.66
1x Ethernet interface (GbE IEEE1588)	Ethernet dedicated interface option		HMIYP6MPETH	0.30/0.66
EtherCAT interface (Primary)	EtherCAT (Primary) dedicated interface option		HMIYP6MPECAT	0.30/0.66
Audio interface (Mic-IN, Line-IN, Line-OUT)	Audio with Mic-IN, Line-IN, and Line-OUT dedicated interface option		HMIYP6MPAU	0.30/0.66
4G interface for US	4G with antenna dedicated interface option for US		HMIYP6MP4GU	0.30/0.66
4G interface for EU/Asia/Japan	4G with antenna dedicated interface option for EU, Asia, and Japan		HMIYP6MP4GE	0.30/0.66
2x RS-232C isolated	2x RS-232C isolated dedicated interface options	Basic Modular Boxes	HMIYP6M2R23P2	0.15/0.33
2x RS422/485 isolated	2x RS-485(422) isolated dedicated interface options		HMIYP6M2R42P2	0.15/0.33
1x Ethernet interface (GbE IEEE1588)	Ethernet dedicated interface option		HMIYP6M2ETH	0.14/0.30
4G interface for US/EU/Asia/Japan	4G with antenna dedicated interface option for US, EU, Asia, and Japan		HMIYP6M24GW	0.20/0.44
WiFi/Bluetooth with antennas	WiFi/Bluetooth with antenna dedicated interface option		HMIYP6M2WF	0.18/0.39
USB Audio Conversion Adapter	USB Audio Conversion Adapter	Advanced, Standard and Basic Modular Boxes	HMIYP6CVUSAU	0.10/0.22

Note: The accessories may be changed or discontinued without notice. Please check our website www.se.com for the latest information.

Accessories (continued)					
Description	Details	Compatible with	Reference	Weight kg/lb	
Memory					
DIMM 4 GB	4 GB, 260-pin SO-DIMM, DDR4-2400	Advanced, Standard and Basic Modular Boxes	HMIYP6DM4	0.14/0.30	
DIMM 8 GB	8 GB, 260-pin SO-DIMM, DDR4-2400		HMIYP6DM8	0.14/0.30	
DIMM 16 GB	16 GB, 260-pin SO-DIMM, DDR4-2400		HMIYP6DM16	0.14/0.30	
Cables					
WiFi/Bluetooth antenna extension cable (2 pieces/set)	WiFi/Bluetooth extension cable 3 m/9.84 ft	Advanced, Standard and Basic Modular Boxes	HMIYP6CBWF3M	0.30/0.66	
USB host extension cable	USB host extension cable 1 m/3.28 ft		XBTZGUSB	0.22/0.49	
DP-DVI cable	To receive the image signal from host, active type 5 m/16.4 ft		HMIYFPCBDPDV5M	0.50/1.10	
4G cellular antenna extension cable (2 pieces/set)	4G cellular extension cable 3 m/9.84 ft		HMIYP6CB4G3M	0.30/0.66	
Storage					
M.2 SSD 128 GB (Standard Endurance)	M.2 SSD 128 GB (Standard Endurance)	Advanced, Standard and Basic Modular Boxes	HMIYP6M2128L	0.13/0.28	
M.2 SSD 128 GB (High Endurance)	M.2 SSD 128 GB (High Endurance)		HMIYP6M2128	0.13/0.28	
M.2 SSD 256 GB (High Endurance)	M.2 SSD 256 GB (High Endurance)		HMIYP6M2256	0.13/0.28	
M.2 SSD 512 GB (High Endurance)	M.2 SSD 512 GB (High Endurance)		HMIYP6M2512	0.13/0.28	
SSD 128 GB (High Endurance)	2.5" SSD 128 GB (High Endurance)	Advanced and Standard Modular Boxes	HMIYP6SSD128	0.20/0.44	
SSD 256 GB (High Endurance)	2.5" SSD 256 GB (High Endurance)		HMIYP6SSD256	0.20/0.44	
SSD 512 GB (High Endurance)	2.5" SSD 512 GB (High Endurance)		HMIYP6SSD512	0.20/0.44	
HDD 1 TB	2.5" HDD 1 TB		HMIYP6HDD1T	0.25/0.55	
SD Card 64 GB	SD card 64 GB	Basic Modular Boxes	HMIYP6SD64GCX	0.10/0.22	

Note: The accessories may be changed or discontinued without notice. Please check our website www.se.com for the latest information.

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HMIYP6DM4

PFXYPR6CBWF3M



HMIYP6CB4G3M

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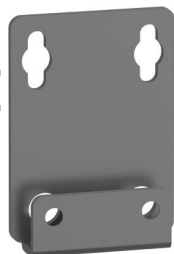
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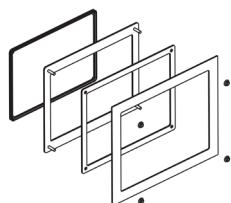
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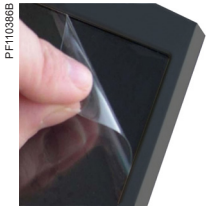
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HMIZHAT7W1

Accessories (continued)				
Description	Details	Compatible with	Reference	Weight kg/lb
Adapters				
Book mount adapter	Book mount adapter (Advanced Box)	Advanced Modular Boxes	HMIYP6ADBMA	1.00/2.20
Book mount adapter	Book mount adapter (Standard Box)	Standard Modular Box	HMIYP6ADBMS	1.00/2.20
Cut-out adapter for Harmony Modular/S-Panel PC (W15")	Panel cut-out adapter from Harmony HMIDM Modular Display or S-Panel (15" Wide) to Harmony P6/FP6 (15" Wide)	HMIDM Modular Display/HMIPSO S-Panel PC (W15")	HMIZPAT7W1	1.00/2.20
Cut-out adapter for Harmony Modular/S-Panel PC (W19")	Panel cut-out adapter from Harmony HMIDM Modular Display or S-Panel (19" Wide) to Harmony P6/FP6 (19" Wide)	HMIDM Modular Display/HMIPSO S-Panel PC (W19")	HMIZPAT8W1	1.10/2.43
Cut-out adapter for Harmony HMIDT752 (W15")	Panel cut-out adapter from Harmony GTU (15" Wide) to Harmony P6 (15" Wide)	HMIDT752 (W15")	HMIZHAT7W1	1.00/2.20
Cut-out adapter for Harmony HMIDT952 (W19")	Panel cut-out adapter from Harmony GTU (19" Wide) to Harmony P6 (19" Wide)	HMIDT952 (W19")	HMIZHAT8W1	1.10/2.43
Cut-out adapter for Harmony S-Panel PC (W10")	Panel cut-out adapter from Harmony S-Panel (10" Wide) to Harmony P6 (10" Wide)	HMIPSO S-Panel PC (W10")	HMIZPAT5W1	0.60/1.32
Cut-out adapter for Harmony Modular Panel PC (W12")	Panel cut-out adapter from Harmony HMIDM Modular Display (12" Wide) to Harmony P6/FP6 (12" Wide)	HMIDM Modular Display (W12")	HMIZPAT6W1	0.60/1.32
Cut-out adapter for Harmony Modular Panel PC (W22")	Panel cut-out adapter from Harmony HMIDM Modular Display (22" Wide) to Harmony P6/FP6 (22" Wide)	HMIDM Modular Display (W22")	HMIZPAT9W1	1.30/2.87
Book mount adapter	Book mount adapter (Basic Box)	Basic Modular Boxes	HMIYP6ADBMB	-

Note: The accessories may be changed or discontinued without notice. Please check our website www.se.com for the latest information.



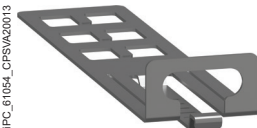
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IPC_01054_CPFS/VA20013

HMIYP6CLUSC

Accessories (continued)

Screen sheets					
Description	Details	Compatible with	Reference	Weight	
Screen protection sheet for 12" Wide display	Disposable, dirt-resistant sheet for screen (5 sheets/set)	12" Wide Harmony P6/FP6 Modular Display	HMIZG66	–	
Screen protection sheet for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	MPCYK50SPSKIT	–	
Anti-glare sheet for 10" Wide display	Anti-reflection, dirt-resistant sheet for screen (5 sheets/set)	10" Wide Harmony P6/FP6 Modular Display	HMIZCAG5W1	–	
Anti-glare sheet for 12" Wide display		12" Wide Harmony P6/FP6 Modular Display	HMIZCAG6W1	–	
Anti-glare sheet for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	HMIZCAG7W1	–	
Anti-glare sheet for 19" Wide display		19" Wide Harmony P6/FP6 Modular Display	HMIZCAG8W1	–	
Anti-glare sheet for 22" Wide display		22" Wide Harmony P6/FP6 Modular Display	HMIZCAG9W1	–	
Others					
M.2 cooling kit for Advanced Box	M.2 cooling kit for Advanced Box (thermal pad + heat sink)	Advanced Modular Boxes	HMIYP6HSM2A	0.20/0.44	
M.2 cooling kit for Standard Box	M.2 cooling kit for Standard Box (thermal pad + heat sink)	Standard Modular Box	HMIYP6HSM2S	0.20/0.44	
Trellix allowlisting license	License sticker and a USB stick with software application for Cybersecurity allowlisting	Advanced and Standard Modular Boxes	HMIYP6SLMCA	0.20/0.44	
Recovery USB for Windows 10 2019 LTSC	Recovery USB for Windows 10 2019 LTSC for Harmony P6	Advanced and Standard Modular Boxes	HMIYP6RUSW10	0.30/0.66	
Recovery USB for Windows 10 2021 LTSC	Recovery USB for Windows 10 2021 LTSC for Harmony P6	Advanced and Standard Modular Boxes	HMIYP6RUSW1021	0.30/0.66	
Recovery USB for Windows 10 2021 LTSC	Recovery USB for Windows 10 2021 LTSC for Harmony P6	Basic Modular Boxes	HMIYP6RUSW10B	0.30/0.66	
USB clamp Type A	USB clamp Type A for maintenance (5 pieces/set)	Advanced and Standard Modular Boxes	HMIZCCLUSA	0.30/0.66	
USB clamp Type C	USB clamp Type C for maintenance (5 pieces/set)	Advanced and Standard Modular Boxes	HMIYP6CLUSC	0.30/ 0.66	
Fan kit with filter	Fan kit with replacement filter (5 pieces/set)	Advanced Modular Boxes	HMIYP6FAN	1.00/ 2.20	
M.2 cooling kit for Basic Box	M.2 cooling kit for Basic Box (thermal + screw)	Basic Modular Boxes	HMIYP6HSM2B	–	
Recovery USB for Windows 10 IoT Enterprise 2021 LTSC for Basic Modular Box	Recovery USB for Windows 10 IoT Enterprise 2021 LTSC for Basic Modular Box		HMIYP6RUSW10B	–	

Note: The accessories may be changed or discontinued without notice. Please check our website www.se.com for the latest information.

PG_CP20061



HMIDM6800WC

GTU_61981_CP9CT17002



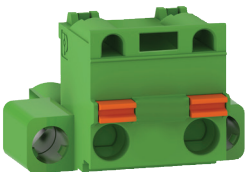
HMIZCWG8W1

PPXZCAF1



HMIZCAF1

PG_OP20179



HMIZCCNAC1

Accessories (continued)

Description	Details	Compatible with	Reference	Weight kg/lb
Harmony P6 Modular Displays				
12" Wide Modular Display	12.1" XGA display (resistive analog multi-touch)	Advanced and Standard Modular Boxes	HMIDM6600TM	2.40/5.30
15" Wide Modular Display	15" XGA display (resistive analog multi-touch)		HMIDM6700TM	3.70/8.16
10" Wide Modular Display	10.1" WXGA display (projected capacitive multi-touch)		HMIDM6500WC	2.00/4.41
12" Wide Modular Display	12.1" WXGA display (projected capacitive multi-touch)		HMIDM6600WC	2.60/5.73
15" Wide Modular Display	15.6" FWXGA display (projected capacitive multi-touch)		HMIDM6700WC	4.00/8.82
19" Wide Modular Display	18.5" FHD display (projected capacitive multi-touch)		HMIDM6800WC	4.90/10.8
22" Wide Modular Display	21.5" FHD display (projected capacitive multi-touch)		HMIDM6900WC	6.50/14.33
Installation gaskets				
Installation gasket for 12" Wide display	Provides dust and moisture resistance when installation gasket is installed in a solid panel (1 piece/set)	12" Wide Harmony P6/FP6 Modular Display	HMIZD56	–
Installation gasket for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	HMIZD57	–
Installation gasket for 10" Wide display		10" Wide Harmony P6/FP6 Modular Display	HMIZD55W	–
Installation gasket for 12" Wide display		12" Wide Harmony P6/FP6 Modular Display	HMIZD56W	–
Installation gasket for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	HMIZX57W	–
Installation gasket for 19" Wide display		19" Wide Harmony P6/FP6 Modular Display	HMIZCWG8W1	–
Installation gasket for 22" Wide display		22" Wide Harmony P6/FP6 Modular Display	HMIZCWG9W1	–
Others				
Installation fastener	Installation fastener for maintenance (4 pieces/set)	All Harmony P6/FP6 Modular Displays	HMIZCAF1	–
Connectors				
Power connector (DC)	DC power connector for maintenance (5 pieces/set)	Advanced, Standard and Basic Modular Boxes, Harmony FP6 Modular Displays	HMIZCCNDC1	0.20/0.44
Power connector (AC)	AC power connector for maintenance (5 pieces/set)		HMIZCCNAC1	0.20/0.44

Note: The accessories may be changed or discontinued without notice. Please check our website www.se.com for the latest information.

03

Harmony PSA6
All-in-one Panel PCs

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony PSA6 All-in-one Panel PCs

Harmony PSA6 All-in-one Panel PCs

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- [Presentation](#)..... page 3/4
- [Description](#)..... page 3/5
- **References**
 - [PSA6 panel PCs](#) page 3/6
 - [Accessories and maintenance components](#) page 3/7

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony PSA6 All-in-One Panel PCs

Type of Harmony PSA6 **All-in-One Panel PCs (Intel Atom)**



Fanless		★★★★★	
Mounting type		Panel PC	
Screen	Type	LED LCD 2-point multi-touch projected capacitive technology screen	
	Size	12.1" W	15" (4:3 ratio)
	Resolution	WXGA, 1280 x 800 pixels, 16 million colors	XGA, 1024 x 768 pixels, 16 million colors
	Degree of protection	IP66F, UL 50/50E, Type 1, Type 4X (indoor use only)	
	Backlight	30,000 hours or more	70,000 hours or more
CPU	Processor	Intel Atom® Processor X Series, X7425E	Intel Atom® Processor X Series, X7425E
	Storage	Main drive	128 GB, M.2 SATA SSD
		Slots	M.2 SATA SSD 3.0/PCIe (auto-switchable), USB 2.0, M.2 Key B, Type 2280, 2252, 2242
	RAM	8 GB DDR5 (not user-expandable)	
Integrated ports	3x RJ45 Ethernet 10/100/1,000 Mbps 2x USB 3.1 (Type A), 2x USB 2.0 (Type A) 1x RS-232, 1x RS-232C/422/485 1x DisplayPort (DP++)		
Operating system		Windows 11 IloT Enterprise (64-bit multi-language)	
Power supply	Supply voltage	24 VDC (± 20%)	
	Current consumption (1)	1.8 A typical	
Dimensions	Overall (W × H × D)	307.4 × 229.4 × 58.8 mm (12.1 × 9.03 × 2.31 in.)	362.4 × 294 × 58.8 mm (14.27 × 11.57 × 2.31 in.)
	Mounting cut-out (W × H) with snap hook	295 × 217 mm (11.61 × 8.54 in.)	349.5 × 281.5 mm (13.76 × 11.08 in.)
Temperature	During operation	0...50 °C (32...122 °F) (with an airflow velocity of 0.6 m/s) 0...40 °C (32...104 °F) (with no airflow)	
	During storage	-20...60 °C (-4...140 °F)	
Vibration resistance	During operation	5...9 Hz single amplitude 3.5 mm (0.14 in.) 9...150 Hz fixed acceleration: 9.8 m/s ² X, Y, Z directions for 10 cycles (approximately 100 minutes)	
Standards and certifications		CE, UL61010-1, CSA C22.2, UKCA, RCM	
References		HMIPSA6AED18W11	HMIPSA6A7D18W11
Page		3/6	

(1) When turbo boost is enabled, the power load may increase momentarily and the product may reboot. Use a power supply that is at least 80% or more of the stated power consumption value to supply power to the product. The same applies when using a circuit breaker. The use of an instantaneous trip circuit breaker is not recommended. To avoid the power load, use with turbo boost disabled.

All-in-One Panel PCs (Intel Atom) **All-in-One Panel PCs (Intel Core i5)**



Fanless		★★★★★	
Mounting type		Panel PC	
Screen	Type	LED LCD 2-point multi-touch projected capacitive technology screen	
	Size	15.6" W	15.6" W
	Resolution	FHD, 1920 x 1080 pixels, 16 million colors	
	Degree of protection	IP66F, UL 50/50E, Type 1, Type 4X (indoor use only)	
	Backlight	50,000 hours or more	
CPU	Processor	Intel Atom® Processor X Series, X7425E	Intel® Core™ i5 Processors, i5-1345UE
	Storage	Main drive	128 GB, M.2 SATA SSD
		Slots	M.2 SATA SSD 3.0/PCIe (auto-switchable), USB 2.0, M.2 Key B, Type 2280, 2252, 2242
	RAM	8 GB DDR5 (not user-expandable)	
Integrated ports	3x RJ45 Ethernet 10/100/1,000 Mbps 2x USB 3.1 (Type A), 2x USB 2.0 (Type A) 1x RS-232, 1x RS-232C/422/485 1x DisplayPort (DP++)		
Operating system		Windows 11 IloT Enterprise (64-bit multi-language)	
Power supply	Supply voltage	24 VDC (± 20%)	
	Current consumption (1)	2.3 A typical	2.5 A typical
Dimensions	Overall (W × H × D)	406.4 × 262.4 × 58.8 mm (16 × 10.33 × 2.31 in.)	461.9 × 291.9 × 58.8 mm (18.18 × 11.49 × 2.31 in.)
	Mounting cut-out (W × H) with snap hook	394 × 250 mm (15.51 × 9.84 in.)	449.5 × 279.5 mm (17.7 × 11 in.)
Temperature	During operation	0...50 °C (32...122 °F) (with an airflow velocity of 0.6 m/s) 0...40 °C (32...104 °F) (with no airflow)	
	During storage	-20...60 °C (-4...140 °F)	
Vibration resistance	During operation	5...9 Hz single amplitude 3.5 mm (0.14 in.) 9...150 Hz fixed acceleration: 9.8 m/s ² X, Y, Z directions for 10 cycles (approximately 100 minutes)	
Standards and certifications		CE, UL61010-1, CSA C22.2, UKCA, RCM	
References		HMIPSA6AFD18W11	HMIPSA65FD18W11
Page		3/6	

(1) When turbo boost is enabled, the power load may increase momentarily and the product may reboot. Use a power supply that is at least 80% or more of the stated power consumption value to supply power to the product. The same applies when using a circuit breaker. The use of an instantaneous trip circuit breaker is not recommended. To avoid the power load, use with turbo boost disabled.

Harmony iPC

Industrial PC, Edge Box, and Display

Harmony PSA6 All-in-One Panel PCs



Harmony PSA6 All-in-One Panel PCs

3

Presentation

Harmony PSA6 entry-level Panel PCs are compact, all-in-one industrial PCs designed to address affordability, reliability, and space constraints for clean industry environments. They provide a practical solution for applications requiring dependable performance with a cost-effective profile.

Harmony PSA6 All-in-One Panel PCs are designed for:

- Space-constrained environments with their compact and lightweight design
- Dependable performance in clean industry environments
- Higher reliability and quality
- Integration with Schneider Electric software like EcoStruxure and HMI centric platforms

Overview of the offer

The Harmony PSA6 All-in-One Panel PCs offer comprises five references, each equipped with:

- Windows 11 IoT Enterprise 2024 LTSC (64-bit) operating system
- 8 GB DDR5 RAM
- Connection ports: 2x USB 3.1, 2x USB 2.0, 1x COM (RS-422/485), 3x Gigabit Ethernet
- Storage: 128 GB SSD (default) + 128 GB/512 GB SSD (expandable)

The different panel sizes and their respective processors are as follows:

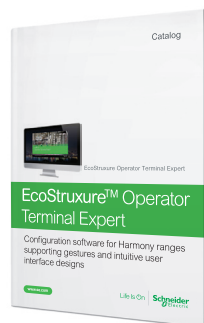
- **HMIPSA6AED18W11**
 - 12.1" TFT color WXGA LCD display
 - 7th generation Intel Atom X745E
- **HMIPSA6A7D18W11**
 - 15" TFT color XGA LCD display
 - 7th generation Intel Atom X745E
- **HMIPSA6AFD18W11**
 - 15.6" TFT color FHD LCD display
 - 7th generation Intel Atom X745E
- **HMIPSA65FD18W11**
 - 15.6" TFT color FHD LCD display
 - 13th generation Intel Core i5 1345UE
- **HMIPSA65GD18W11**
 - 18.5" TFT color FHD LCD display
 - 13th generation Intel Core i5 1345UE

Ready-to-run software for Harmony PSA6

Harmony PSA6 All-in-One Panel PCs are supported by Schneider Electric HMI software. For HMI applications, the EcoStruxure Operator Terminal Expert Run Time demo version can be downloaded and activated to the unlimited version with the [HMIRTCWZLSPAZZ](#) (digital) license. For line management and lite supervision, EcoStruxure Machine SCADA Expert Run Time can be installed and activated with a subscription.

For secure remote access, Harmony PSA6 PCs are supported by EcoStruxure Secure Connect, which must be installed and activated with a subscription.

For more information on the supported software, refer to the following catalogs.



[DIA5ED2140703EN](#)



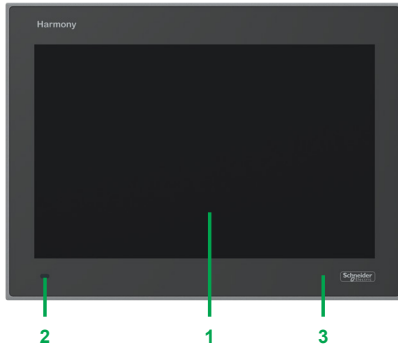
[DIA5ED2171201EN](#)



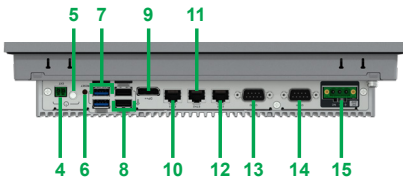
[DIA5ED2190101EN](#)

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony PSA6 All-in-One Panel PCs



Front view



Underside view

Description

Front view

- 1 Multi-touch capacitive screen for displaying synoptic views
- 2 Multi-color status indicator (green, orange, and red) showing operating mode
- 3 Aluminium front panel with IP66 protection

Underside view

- 4 Remote power button connector
- 5 Power button
- 6 Reset button (RESET)
- 7 2x USB 3.1 Gen1 (Type-A) interface
- 8 2x USB 2.0 (Type-A) interface
- 9 1x Dual-Mode DisplayPort (DP++) interface
- 10 1x Ethernet port (ETH2), 10/100/1000Base-TX type
- 11 1x Ethernet port (ETH2), 10/100/1000Base-TX type
- 12 1x Ethernet port (ETH3), 10/100/1000Base-TX type
- 13 1x 9-way male SUB-D connector for RS-422/RS-485 serial link (COM2 port)
- 14 1x 9-way male SUB-D connector for RS-232C serial link (COM1 port)
- 15 1x 24 VDC power supply connector

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony PSA6 All-in-One Panel PCs
PSA6 Panel PCs



HMIPSA6AED18W11



HMIPSA65GD18W11

Harmony PSA6 All-in-One Panel PCs

Windows 11 IoT Enterprise 2024 LTSC (64-bit) operating system

Display size	Display resolution	Processor	RAM and storage	Reference	Weight kg/lb
12.1" W	1,280 x 800 pixels (WXGA)	Intel Atom X745E	8 GB DDR5 128 GB SSD	HMIPSA6AED18W11	3.4/ 7.5
15"	1,024 x 768 pixels (XGA)	Intel Atom X745E	8 GB DDR5 128 GB SSD	HMIPSA6A7D18W11	4.8/ 10.5
15.6" W	1,920 x 1,080 pixels (FHD)	Intel Atom X745E	8 GB DDR5 128 GB SSD	HMIPSA6AFD18W11	4.9/ 10.8
15.6" W	1,920 x 1,080 pixels (FHD)	Intel Core i5 1345UE	8 GB DDR5 128 GB SSD	HMIPSA65FD18W11	4.9/ 10.8
18.5" W	1,920 x 1,080 pixels (FHD)	Intel Core i5 1345UE	8 GB DDR5 128 GB SSD	HMIPSA65GD18W11	6.2/ 13.6

Harmony iPC

Industrial PC, Edge Box, and Display

Harmony PSA6 All-in-One Panel PCs

Accessories and maintenance components



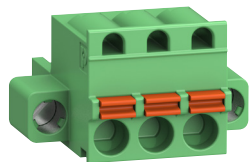
HMIYPSA6M2128L



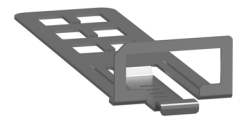
HMIYFPCBDPDV5M



HMIYP6CVUSAU



HMIZCCNDC1



HMIZCCLUSA

Harmony PSA6 All-in-One Panel PCs

Windows 11 IoT Enterprise 2024 LTSC (64-bit) operating system

Description	Details	Reference	Weight kg/lb
Storage drives			
M.2 SATA SSD 128 GB (Type 2280)	128 GB SSD for secondary storage and maintenance	HMIYPSA6M2128L	0.20/ 0.44
M.2 SATA SSD 512 GB (Type 2280)	512 GB SSD for secondary storage and maintenance	HMIYPSA6M2512L	0.20/ 0.44
Cable			
DP-DVI cable (5 m)	To receive the image signal from host, active type 5 m/16.4 ft	HMIYFPCBDPDV5M	0.50/ 1.10
USB/Audio adapter cable	USB to 3.5 mm/1/8" jack adapter, for devices without 3.5 mm/1/8" audio port but with USB port	HMIYP6CVUSAU	0.10/ 0.22
Maintenance component			
Power connector (DC) (5 pieces/set)	Maintenance accessory for replacing a malfunctioning DC power connector	HMIZCCNDC1	0.22/ 0.44
Others			
USB clamp Type A (5 pieces/set)	To hold a USB Type A connector in place to help prevent accidental disconnection	HMIZCCLUSA	0.30/ 0.66
Software license			
Trellix license	Cybersecurity software license for the Harmony products	HMIYP6LSMCA	-

04

Harmony BX1
Essential Edge Box

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony Essential Edge Box

Harmony BX1 Essential Edge Box

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Harmony iPC

Industrial PC, Edge Box, and Display
Essential Edge Box
Harmony BX1

Type of Harmony Edge Box

Fanless

Mounting	Box
	Panel PC

CPU	Processor	
	Expansion slots	
	Storage	Main drive
		Slots
	RAM/MRAM	
Hot-swap RAID HDD and battery backup		

Cybersecurity encryption

Operating system

Conformal coating

Supply voltage

Power consumption

Interface	Ethernet
	Serial ports
	CAN bus
	USB
	Embedded I/O
	Video interface
	WLAN embedded
	Antenna connectors
	Watchdog timer

Reset button

Overall dimensions (W x H x D)

Temperature	During operation
	During storage

Vibration resistance	During operation
----------------------	------------------

Standards and certifications

Software, IIoT, and cybersecurity

References

Page

(1) EcoStruxure Secure Connect license is an optional software. It has to be purchased or downloaded from our website www.se.com. Only v11.2 or later version of the EcoStruxure Secure Connect software is supported on the HMIBX1A0NDA.

Harmony BX1



★★★★★

DIN rail	No
----------	----

ARM Cortex-A53 quad core 1.6 GHz NXP i.MX8M Plus
2x Mini PCIe connector (USB signal)
32 GB eMMC (soldered)
1x microSD, 1x micro SIM slot
4 GB RAM LPDDR4 (internal, not expandable)
–

TPM module (pre-installed)	
----------------------------	--

Operating system	Linux Debian 12
------------------	-----------------

Conformal coating	No
-------------------	----

Supply voltage	9...36 V
----------------	----------

Power consumption	24 W
-------------------	------

Interface	2x RJ45 Ethernet 10/100/1,000 Mbps
	2x RS-232/422/485 switchable, Phoenix connector (cable length must be less than 30 m/98 ft)
	2x CAN-FD x 2 CH, Phoenix connector
	2x USB 3.0
	8x GPIO (Digital General Purpose I/O)
	1x HDMI (for configuration only)
	–
	1x for WLAN antenna, 1x for GPRS antenna
	Timer with 255 levels/intervals, programmable, 1...255 s

Reset button	Yes
--------------	-----

Overall dimensions (W x H x D)	140.76 x 98.2 x 48 mm/5.54 x 3.86 x 1.89 in.
--------------------------------	--

Temperature	-10...55 °C/14...131 °F
	-40...80 °C/-40...176 °F

Vibration resistance	IEC/EN 61131-2 compliant
	5...9 Hz single amplitude 3.5 mm/0.14 in.
	9...150 Hz fixed acceleration: 9.8 m/s ²
	X, Y, Z directions for 10 cycles (approximately 100 minutes)

Standards and certifications	CE, UKCA, RCM
------------------------------	---------------

Software, IIoT, and cybersecurity	Secure password boot, EcoStruxure Automation Expert, and EcoStruxure Secure connect (1)
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HMIBX1A0NDA

4/5

Harmony iPC

Industrial PC, Edge Box, and Display

Essential Edge Box

Harmony BX1

Harmony Industrial PC driving software-centric industrial automation system



Harmony BX1



EcoStruxure Secure Connect



EcoStruxure Automation Expert

Presentation

Harmony BX1 comes with SoftdPAC pre-installed, allowing you to use an open, interoperable, and portable industrial automation system with IEC 61499 at its core. EcoStruxure Automation Expert takes an event-driven, decentralized, and open approach to automation engineering. Hardware and software are decoupled, making the system agile, simple, and future-ready.

It facilitates easy-to-integrate IT applications, tools, and technologies for industrial use. This native IT/OT convergence enables you to seamlessly integrate the incredible advancements we see in modern information systems into control architectures without incurring significant engineering effort or introducing the technical debt of highly coupled, non-cohesive system designs.

EcoStruxure Automation Expert natively supports asset-centric design methodologies. Applications are created with ready-to-use asset models. This helps to eliminate low-value tasks and makes it easy to wrap and reuse portable automation objects for maximum engineering efficiency. That gets you up and running sooner and frees your resources to focus on high-value engineering and innovation.

Its Linux OS provides an inclusive operating environment.

Overview of the offer

Harmony Essential Edge Box

The Harmony Essential Edge Box offer comprises one product reference, equipped with:

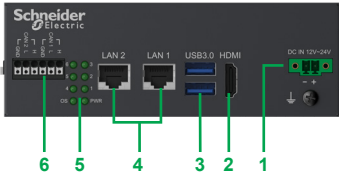
- Fanless Qualcomm ARM Cortex-A53 quad-core processor up to 1.6 GHz ARM
- Linux Debian 12 operating system
- EcoStruxure Automation Expert v24.0 as the default software package
- EcoStruxure Secure connect v11.2 as optional software package
- 32 GB eMMC (soldered) data storage equipment
- 4 GB RAM LPDDR4 internal (not expandable) memory
- Free slots: 1x microSD SD 3.0, with 104 Mbps transfer rate, and supports SD, SDHC, SDXC
- Expansion slots: 2x Mini PCIe connector (USB signal)
- 1920 x 1080 pixel display resolution at 60 Hz
- 1x HDMI connector for display
- 2x RJ45 SMC LAN7500 for Ethernet
- 2x USB 3.0 Type A
- TPM connector v2.0 TPM module by default motherboard
- DIN rail mounting

Description

Harmony BX1

Front view

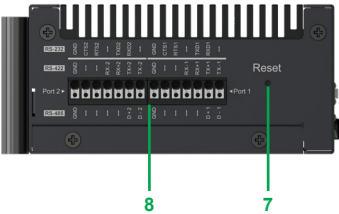
- 1 DC power
- 2 HDMI port
- 3 USB 3.0 ports
- 4 2x Giga LAN ports
- 5 LED indicators
- 6 2x CAN-FD ports (1)



Front view of Harmony BX1

Top view

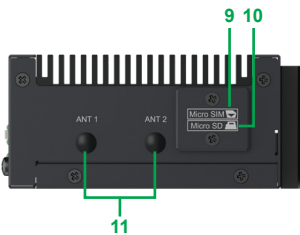
- 7 Reset button (2)(3)
- 8 2x RS-232/422/485 ports



Top view of Harmony BX1

Underside view

- 9 Micro SIM slot (1)
- 10 Micro SD slot (4)
- 11 3x antenna connectors (1)



Underside view of Harmony BX1

Harmony BX1

Qualcomm ARM Cortex-A53 quad-core processor up to 1.6 GHz/24 V $\overline{\text{DC}}$ supply voltage (5)

Operating system	Software	Storage disk	LPDDR4 RAM (6)	Reference	Weight kg/lb
Linux Debian 12	EcoStruxure Automation Expert v24.0	32 GB eMMC	4 GB	HMIBX1A0NDA	0.95/ 2.09

(1) Currently not supported with the pre-installed EcoStruxure Automation Expert Soft dPACversion. For usage of these interfaces, please contact our Customer Care Center.

(2) Use of the Reset button may lead to a system reboot and may affect system operation.

(3) To reboot the product, press the button five times in a row with an interval of less than 0.5 seconds.

(4) Currently not supported and is not for general purpose usage.

(5) AC with additional power supply module.

(6) Memory is not user-expandable.



HMIBX1A0NDA

05

Harmony FP6 Industrial Flat Panel Monitors

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony FP6 Industrial Flat Panel Monitors

Harmony FP6 Industrial Flat Panel Monitors

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 - [Accessories](#)..... page 5/5
 - [Substitution table](#)..... page 5/7

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony FP6 Industrial Flat Panel Monitors

Type of display	Harmony FP6 Industrial Flat Panel Monitors	
Model	4:3 12" touch screen	4:3 15" touch screen



Display	Type	TFT color LCD flat screen		
	Size	4:3 12.1"	4:3 15.0"	
	Resolution	XGA, 1024 x 768 pixels, 16 million colors		
	Degree of protection (2)	IP66F, IP67F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 12, Type 13		
	Touch operation	Resistive analog multi-touch (2 points)		
	Touch mode configuration	Not applicable, because of resistive analog touch panel		
	Brightness control	Stepless adjustment (0~100 steps)		
	Backlight service life	50,000 hours and more		
Interface	Front USB	1x USB 2.0 (Type A) and 1x USB Micro-B (1) with front USB cover		
	Touch	1x USB 2.0 (Type B)		
	Supported operating system	Windows10 IoT Enterprise 2019 LTSC (64-bit), Windows 10 (build 1809 or later)		
	Video	DVI-D input		
Utility tool	Brightness, calibration, front USB, touch buzzer, touch input mode control			
Supply voltage	24 V ---			
Standards and certifications (when mounted on front panel of Box PC)	CE, RCM, KC, UL 61010-2-201 and CSA C22.2 No. 61010-2-201, UL 121201 (2) and CSA C22.2 No. 213 (2), IECEx/ATEX for use in Zone 2 gas/Zone 22 dust (2)			
Power consumption	17.6 W max.	22.4 W max.		
Mounting	Panel, portrait, or VESA 100 x 100 mount			
Dimensions	Overall dimensions (W x H x D)	315 x 241 x 67.5 mm/ 12.40 x 9.49 x 2.66 in.	397 x 296 x 67.5 mm/ 15.63 x 11.65 x 2.66 in.	
	Cut-out (W x H)	301.5 x 227.5 mm/ 11.87 x 8.96 in.	383.5 x 282.5 mm/ 15.1 x 11.12 in.	
Temperature	During operation	Conforming to EN/IEC 60068-2-30: 0...55 °C/32...131 °F		
	During storage	Conforming to IEC 61000-4/EN 55011: -20...60 °C/-4...140 °F		
Compatible with boxes	All Harmony P6 Standard, Advanced, and Basic Modular Box PCs, Harmony iPCs, and third-party PCs			
References	HMIFP6600TMD	HMIFP6700TMD		
Pages	5/4			

(1) This interface is unavailable.
(2) On the front panel when properly installed in an enclosure and not using the front panel USB port.

Harmony FP6 Industrial Flat Panel Monitors				
W10" touch screen	W12" touch screen	W15" touch screen	W19" touch screen	W22" touch screen

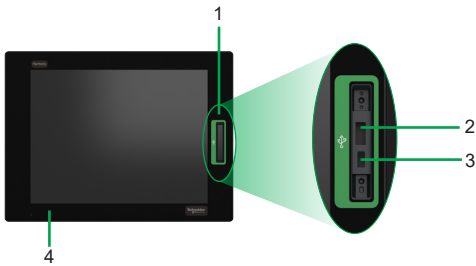


Display	TFT color LCD flat screen				
	W10.1"	W12.1"	W15.6"	W18.5"	W21.5"
	WXGA, 1280 x 800 pixels, 16 million colors		FWXGA, 1366 x 768 pixels, 16 million colors	FHD, 1920 x 1080 pixels, 16 million colors	
	IP66F, IP67F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 12, Type 13				
	Projective capacitive multi-touch (2 points) with optimized noise filter				
	Yes (standard mode, glove mode, water detection mode)				
	Stepless adjustment (0~100 steps)				
	50,000 hours and more				
Interface	-				
	1x USB 2.0 (Type B)				
	Windows10 IoT Enterprise 2019 LTSC (64-bit), Windows 10 (build 1809 or later)				
	DVI-D input				
Utility tool	Brightness, calibration, front USB, touch buzzer, touch input mode control				
Supply voltage	24 V ---				
Standards and certifications (when mounted on front panel of Box PC)	CE, RCM, KC, UL 61010-2-201 and CSA C22.2 No. 61010-2-201, UL 121201 (2) and CSA C22.2 No. 213 (2), IECEx/ATEX for use in Zone 2 gas/Zone 22 dust (2)				
Power consumption	12.4 W max.	15.9 W max.	20.0 W max.	30.6 W max.	31.8 W max.
Mounting	Panel, portrait, or VESA 100 x 100 mount				
Dimensions	268.5 x 198.5 x 67.5 mm/ 10.57 x 7.81 x 2.66 in.	308.5 x 230.5 x 67.5 mm/ 12.15 x 9.07 x 2.66 in.	408 x 264 x 67.5 mm/ 16.06 x 10.39 x 2.66 in.	463.6 x 293.6 x 69.5 mm/ 18.25 x 11.56 x 2.74 in.	532.6 x 330.6 x 69.5 mm/ 20.97 x 13.02 x 2.74 in.
	255 x 185 mm/10.04 x 7.28 in.	295 x 217 mm/16.14 x 8.54 in.	394 x 250 mm/15.51 x 9.84 in.	449.5 x 279.5 mm/17.7 x 11.0 in.	518.5 x 316.5 mm/20.41 x 12.46 in.
Temperature	Conforming to EN/IEC 60068-2-30: 0...55 °C/32...131 °F			Conforming to EN/IEC 60068-2-30: 0...50 °C/32...122 °F	
	Conforming to IEC 61000-4/EN 55011: -20...60 °C/-4...140 °F			Conforming to IEC 61000-4/EN 55011: -20...60 °C/ -4...140 °F	
Compatible with boxes	All Harmony P6 Standard, Advanced, and Basic Modular Box PCs, Harmony iPCs, and third-party PCs				
References	HMIFP6500WCD	HMIFP6600WCD	HMIFP6700WCD	HMIFP6800WCD	HMIFP6900WCD
Pages	5/4				

(1) This interface is unavailable.
(2) On the front panel when properly installed in an enclosure and not using the front panel USB port.



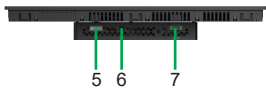
Harmony FP6 Industrial Flat Panel Monitors



4:3 flat panel monitor front view



Wide flat panel monitor front view



Wide flat panel monitor underside view

PE_CP21192



HMIFP6600TMD

PE_CP21198



HMIFP6900WCD

Presentation

Harmony FP6 Industrial Flat Panel Monitors are designed for slim and stylish appearance, better visibility, and high operability in an industrial environment. The modular design and transversal visualization enables Flat Panel Monitors to be easily integrated with Harmony P6, Harmony iPCs, and third-party Box PCs.

The Harmony FP6 screens are certified for CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL121201, and CSA C22.2 No. 213, and IECEx/ATEX for use in Zone 2 gas/Zone 22 dust.

Overview of the offer

Harmony FP6 Industrial Flat Panel Monitors are available in 4:3 and Wide versions each equipped with:

- **4:3 Flat Panel Monitors:** 12.1" and 15.0" (XGA) color LCD multi-touch (2 points) analog resistive screens, 1x USB 2.0 (Type A) with front USB cover
- **Wide Flat Panel Monitors:** 10.1" and 12.1" (WXGA), 15.6" (FWXGA), 18.5" and 21.5" (FHD) color LCD multi-touch (2 points) projected capacitive screens

Description

Front view

- 1 Front USB cover
- 2 USB 2.0 (Type A) (1)
- 3 USB 2.0 Micro-B (2)
- 4 Multi-color status LED (green and orange) indicating the mode

Underside view

- 5 DVI-D input interface
- 6 USB 2.0 (Type B)
- 7 Power connector

References

Harmony FP6 Industrial Flat Panel Monitors

Description	Screen	Interface	Reference	Weight kg/lb
W12" TFT LCD flat screen	4:3 12.1" Wide, XGA (1024 x 768 pixels)	Multi-touch (2 points)	HMIFP6600TMD	3.60/8.00
W15" TFT LCD flat screen	4:3 15.0" Wide, XGA (1024 x 768 pixels)	analog resistive	HMIFP6700TMD	4.90/10.8
W10" TFT LCD flat screen	10.1" Wide, FWGA (1280 x 800 pixels)	Multi-touch (2 points)	HMIFP6500WCD	3.20/7.10
W12" TFT LCD flat screen	12.1" Wide, FHD (1280 x 800 pixels)	projected capacitive	HMIFP6600WCD	3.90/8.60
W15" TFT LCD flat screen	15.6" Wide, FWXGA (1366 x 768 pixels)		HMIFP6700WCD	5.30/11.9
W19" TFT LCD flat screen	18.5" Wide, FHD (1920 x 1080 pixels)		HMIFP6800WCD	6.30/13.9
W22" TFT LCD flat screen	21.5" Wide, FHD (1920 x 1080 pixels)		HMIFP6900WCD	8.00/17.7

- (1) By default, this front USB is disabled.
(2) This interface is not usable.

Harmony iPC

Industrial PC, Edge Box, and Display

Harmony FP6 Industrial Flat Panel Monitors

Accessories

IPC_61054_CPSCT17016



HMIYACUSB51

PC_CP21218



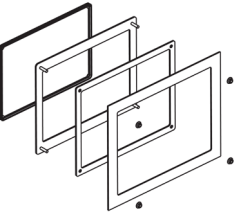
HMIYFPCBDPDV5M

IPC_61054_CPDDA17004



HMIYADDPDV11

PF131947



HMIZPAT8W1

PF150499



HMIZG66

Accessories				
Description	Details	Compatible with	Reference	Weight kg/lb
Cables				
USB cable	USB cable used to receive the touch panel signal from host (5 m/16.4 ft)	All Harmony FP6 Modular Displays	HMIYACUSB51	0.22/ 0.49
DP-DVI cable (5 m)	DP-DVI cable used to receive the image signal from host, active type (5 m/16.4 ft)	All Harmony FP6 Modular Displays	HMIYFPCBDPDV5M	0.50/ 1.10
DP-DVI cable (3 m)	DP-DVI cable used to receive the image signal from host, active type (3 m/9.8 ft)	All Harmony FP6 Modular Displays	HMIYACBDPDV131	0.40/ 0.88
Adapters				
DP-DVI adapter	DP-DVI adapter can convert DP to DVI-D (socket), active type	All Harmony FP6 Modular Displays	HMIYADDPDV11	0.10/ 0.22
Cut-out adapter for Harmony Modular Panel PC (W12")	Panel cut-out adapter from Harmony HMIDM Modular Display (12" Wide) to Harmony P6/FP6 (12" Wide)	HMIDM Modular Display (W12")	HMIZPAT6W1	0.60/ 1.32
Cut-out adapter for Harmony Modular/S-Panel PC (W15")	Panel cut-out adapter from Harmony HMIDM Modular Display or S-Panel (15" Wide) to Harmony P6/FP6 (15" Wide)	HMIDM Modular Display or HMIPSO S-Panel (W15")	HMIZPAT7W1	1.00/ 2.20
Cut-out adapter for Harmony Modular/S-Panel PC (W19")	Panel cut-out adapter from Harmony HMIDM Modular Display or S-Panel (19" Wide) to Harmony P6/FP6 (19" Wide)	HMIDM Modular Display or HMIPSO S-Panel (W19")	HMIZPAT8W1	1.10/ 2.43
Cut-out adapter for Harmony Modular Panel PC (W22")	Panel cut-out adapter from Harmony HMIDM Modular Display (22" Wide) to Harmony P6/FP6 (22" Wide)	HMIDM Modular Display (W22")	HMIZPAT9W1	1.30/ 2.87
Screen sheets				
Screen protection sheet for 12" Wide display	Disposable, dirt-resistant sheet for screen (5 sheets/set)	12" Wide Harmony P6/FP6 Modular Display	HMIZG66	—
Screen protection sheet for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	MPCYK50SPSKIT	—
Anti-glare sheet for 10" Wide display	Anti-reflection, dirt-resistant sheet for screen (5 sheets/set)	10" Wide Harmony P6/FP6 Modular Display	HMIZCAG5W1	—
Anti-glare sheet for 12" Wide display		12" Wide Harmony P6/FP6 Modular Display	HMIZCAG6W1	—
Anti-glare sheet for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	HMIZCAG7W1	—
Anti-glare sheet for 19" Wide display		19" Wide Harmony P6/FP6 Modular Display	HMIZCAG8W1	—
Anti-glare sheet for 22" Wide display		22" Wide Harmony P6/FP6 Modular Display	HMIZCAG9W1	—

Note: The accessories may be changed or discontinued without notice. Please check our website www.se.com for the latest information.

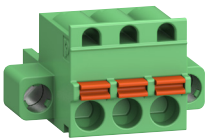
GTU_61891_CPSC177002



HMIZD56

Accessories					
Description	Details	Compatible with	Reference	Weight kg/lb	
Installation gaskets					
Installation gasket for 12" Wide display	Provides dust and moisture resistance when this product is installed in a solid panel (1 piece/set)	12" Wide Harmony P6/FP6 Modular Display	HMIZD56	-	
Installation gasket for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	HMIZD57	-	
Installation gasket for 10" Wide display		10" Wide Harmony P6/FP6 Modular Display	HMIZD55W	-	
Installation gasket for 12" Wide display		12" Wide Harmony P6/FP6 Modular Display	HMIZD56W	-	
Installation gasket for 15" Wide display		15" Wide Harmony P6/FP6 Modular Display	HMIZD57W	-	
Installation gasket for 19" Wide display		19" Wide Harmony P6/FP6 Modular Display	HMIZCWG8W1	-	
Installation gasket for 22" Wide display		22" Wide Harmony P6/FP6 Modular Display	HMIZCWG9W1	-	
Others					
DC power connector with fixable screws	Connector to connect DC power cables (5 pieces/set)	All Harmony FP6 Modular Displays	HMIZCCNDC1	0.10/ 0.22	
Installation fastener	4 pieces/set	All Harmony FP6 Modular Displays	HMIZCAF1	-	
USB clamp Type B	Clamp to help prevent disconnection of USB Type B cable (5 pieces/set)	All Harmony FP6 Modular Displays	HMIFYPCLUSB	0.15/ 0.33	

PG_CP21220



HMIZCCNDC1

PFZCAF1



HMIZCAF1

Note: The accessories may be changed or discontinued without notice. Please check our website www.se.com for the latest information.

Harmony iPC

Industrial PC, Edge Box, and Display
Harmony FP6 Industrial Flat Panel Monitors
Substitution table

Current Harmony iPC		Replaced by Harmony iPC		Compatibility (1)
Description	Reference	Description	Reference	
Harmony iPC Modular Display		Harmony FP6 Modular Display		Panel cut-out
22" Wide (Full HD)	HMIDMA521 + HMIDADP11	22" Wide (Full HD)	HMIFP6900WCD	Yes with adapter (HMIZPAT9W1)
19" Wide (FWXGA)	HMIDM9521 + HMIDADP11	19" Wide (Full HD)	HMIFP6800WCD	Yes with adapter (HMIZPAT8W1)
15" Wide (FWXGA)	HMIDM7521 + HMIDADP11	15" Wide (FWXGA)	HMIFP6700WCD	Yes with adapter (HMIZPAT7W1)
12" Wide (WXGA)	HMIDM6521 + HMIDADP11	12" Wide (WXGA)	HMIFP6600WCD	Yes with adapter (HMIZPAT6W1)
15" Wide (XGA)	HMIDM7421 + HMIDADP11 HMIDID73DTD1	15" Wide (XGA)	HMIFP6700TMD	Yes
12.1" Wide (XGA)	HMIDM6421 + HMIDADP11 HMIDID64DTD1	12.1" Wide (XGA)	HMIFP6600TMD	Yes
			Panel cut-out	Identical Different

(1) Supported operating system: Windows 10 IoT Enterprise 2019 LTSC (64-bit), Windows 10 (build 1809 or later).

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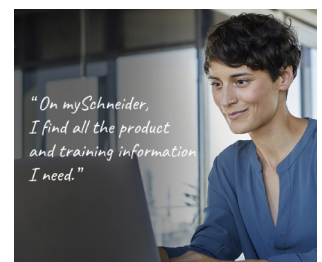
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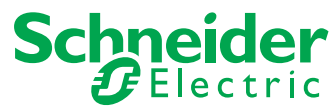
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Head Office
35, rue Joseph Monier - CS 30323
F-92500 Rueil-Malmaison Cedex
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