WEB-HMI TOUCHSCREEN MONITOR

The WEB-HMI series of touchscreen monitors are the HTML5 IP browser compatible touchscreen monitors. They combine state of the art features and top performance with an outstanding design.

WEB-HMI touchscreen monitors are avilable in six different sizes which offer two tires of visualization and connectivity performance:

1. Direct controller access (browser in controller)

2. System wide controller access (browser into the system)

WEB-HMI touchscreen monitors seamlessly integrate with Optimizer Plant controllers and any controllers featuring Web-server (CIPer Models, WEB-8000, Hawk, and EagleHawk Models) delivering robust performance and comprehensive inslight from the controller or building system.



WEB-HMI Touchscreen Moniters series

FEATURES AND HIGHLIGHTS

ROBUST & SECURED DISPLAY

- High Cyber Security Level
- Protection from unauthorized accesses
- IP66 protection from the front
- Modern HTML5 Browser based on Linux
- High quality, industrial grade touchscreen monitors with a life span of more than 10 years
- Wide range of operating temperatures
- Elegant and robust design for control cabinet installation

VERSATILE

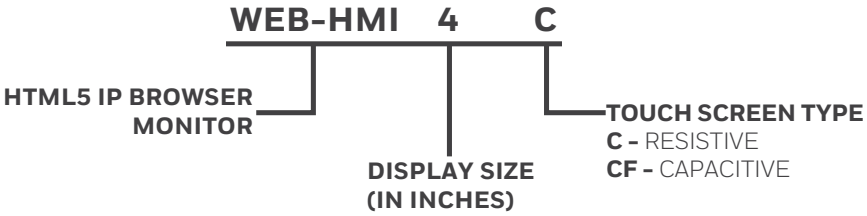
- Powerful, fast, and responsible processor
- Ethernet and USB interfaces
- Power supply: 24 VDC
- HTML5 Chromium Browser to access any web-server
- Controllers, HMI, and tools are harmonized and tested together
- CE and UL certified.
- Useful multiple applications like Building Automatio, Infrastructure Automation, and OEM.

INTELLIGIBLE DISPLAY

- Available in multipe display size options: 4.3”, 5”, 7”, 10.1”, 15.6”, and 21.5”
- Resistive and Capacitive (Multi touch) options are available
- High resolution display
- Wide angle visibility
- Capacitive touch versions in total glass design. Resistant to scratches, UV, and chemicals.

Honeywell

PRODUCT NUMBER DESCRIPTION



PRODUCT DETAILS

ORDERING INFORMATION

PRODUCT NUMBER	DISPLAY SIZE	RESOLUTION	TOUCH SCREEN TYPE	INTERFACE
WEB-HMI4/C	4.3 inches	480 x 272 pixels	Resistive	1 Ethernet port 1 USB host port
HMI-05C11WL0	5 inches	800 x 480 pixels	Capacitive, Multitouch	1 Ethernet port 1 USB host port
WEB-HMI7/C	7 inches	800 x 480 pixels	Resistive	1 Ethernet port 1 USB host port
WEB-HMI7/CF	7 inches	800 x 480 pixels	Capacitive, Multitouch	3 Ethernet port 2 USB host port
WEB-HMI10/CF	10.1 inches	1280 x 800 pixels	Capacitive, Multitouch	3 Ethernet port 2 USB host port
WEB-HMI15/CF	15.6 inches	1366 x 768 pixels	Capacitive, Multitouch	3 Ethernet port 2 USB host port
WEB-HMI21/CF	21.5 inches	1920 x 1080 pixels	Capacitive, Multitouch	3 Ethernet port 2 USB host port

WEB-HMI4/C

DESCRIPTION

WEB-HMI4/C features a bright 4.3" TFT widescreen (16:9) display with a fully dimmable LED back-light.

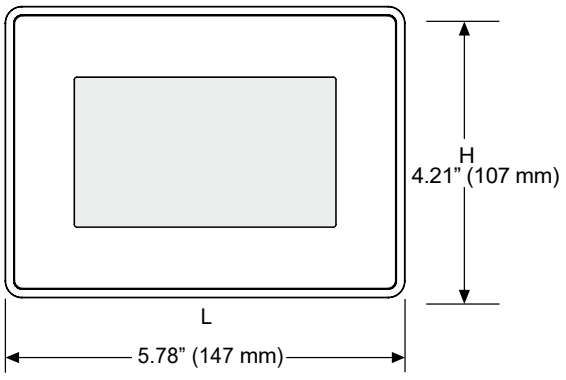
It is an ideal choice for HMI applications including factory and building automation. It is an effective platform for running browser applications in the industrial environment. The powerful CPU and the efficient Linux with real-time extensions guarantee optimal performance under the most demanding conditions,

- ARM Cortex-A8 - 1 GHz
- 4.3" TFT color display
- 480 × 272 pixels (WVGA) resolution
- 64K colors
- LED back-light
- Resistive touchscreen
- One Ethernet port

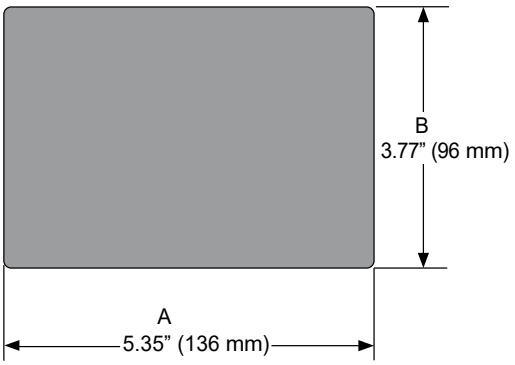


DIMENSIONS

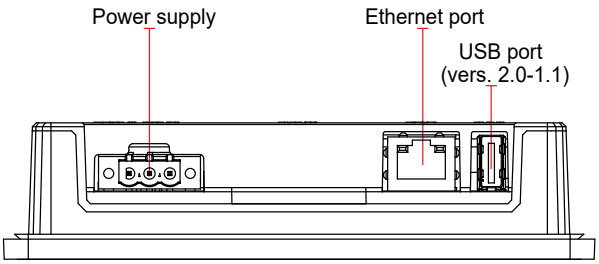
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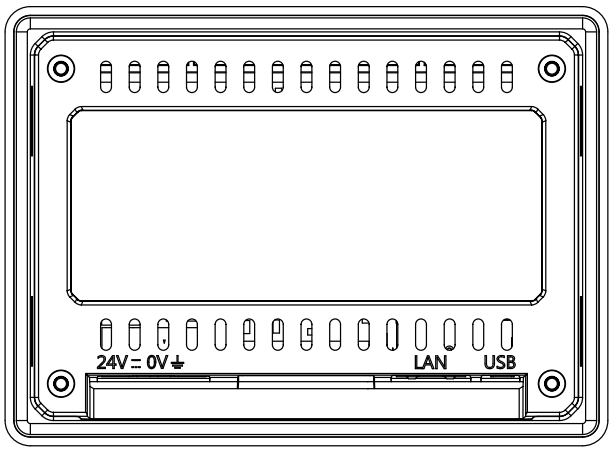


CUT-OUT



CONNECTION





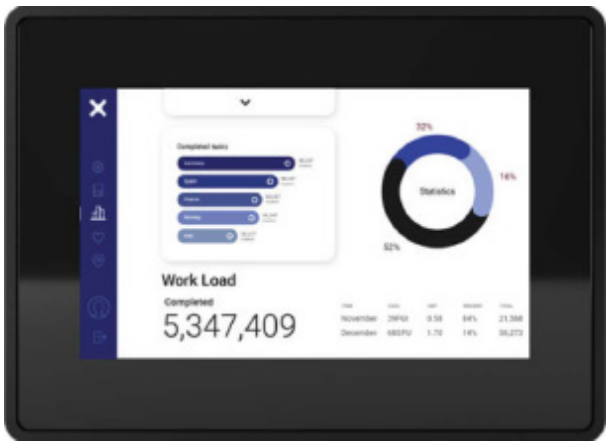
HMI-05C11WL0

DESCRIPTION

The HMI-05C11WL0 feature a 5” TFT wide screen display with a resolution of 800 x 480 pixel with 16.7M colors

I It is designed to offer a top browsing with technical specification, feature and performance that make the ideal choice for edge devices where the requirement of applications in industry are the data control and the visualization

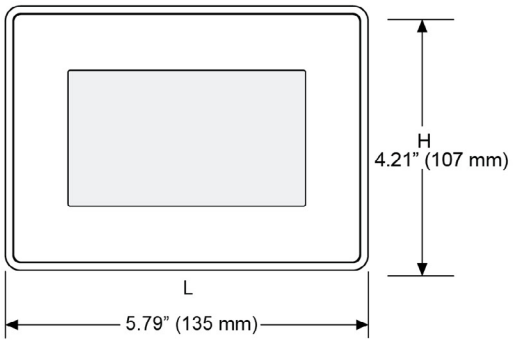
HTML5 web application interfaces are used to display and interact with real time data. As a Web HMI, series HMIs can easily display HTML5 datafrom multiple devices.



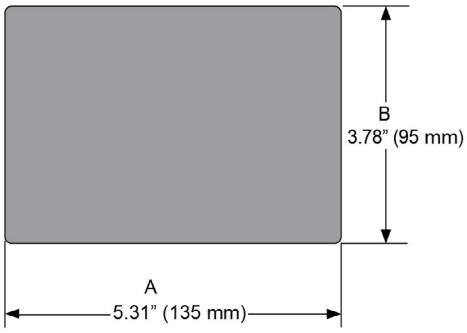
- 64-bit RISC quad core - 1 GHz
- 5” TFT color display
- 800 × 400 pixels (WVGA) resolution
- 16.7M colors
- LED back-light
- Capasitive multitouch screen
- One Ethernet port

DIMENSIONS

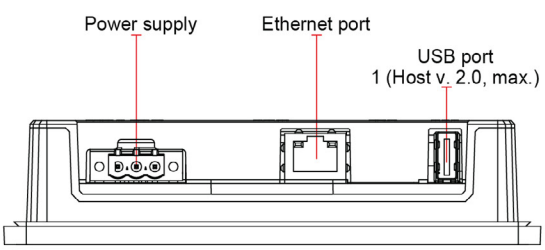
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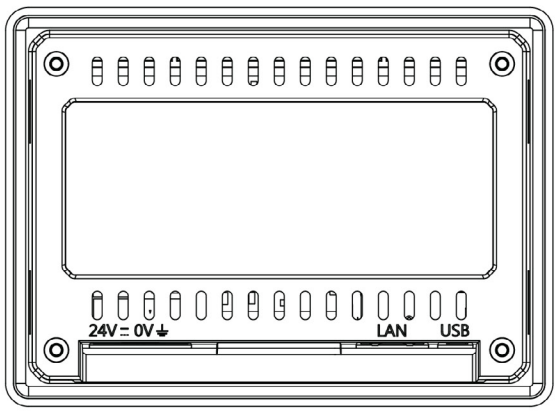


CUT-OUT



CONNECTION





WEB-HMI7/C

DESCRIPTION

It is an effective platform for running browser applications in the industrial environment. The powerful dual-core CPU and the efficient Linux with real-time extensions guarantee optimal performance under the most demanding conditions.

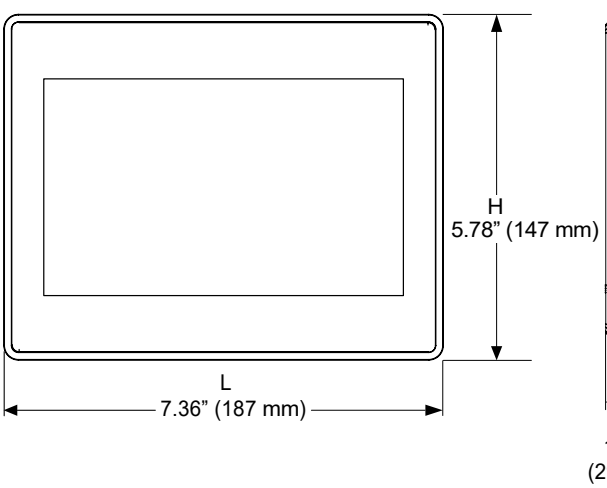
This product has been optimized as an ideal platform for the Chromium browser while retaining compatibility with the WEB-HMIxx/C family of HMI devices.



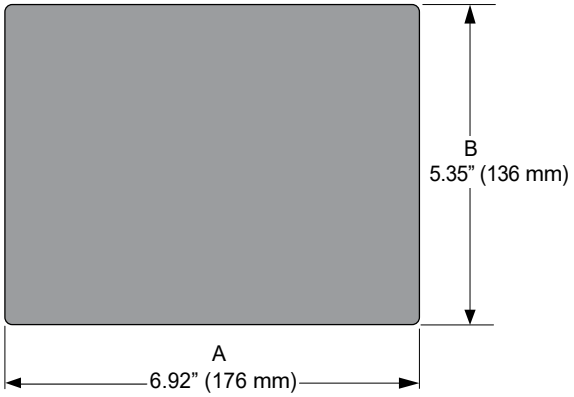
- ARM Cortex-A9 dual-core – 800 MHz
- 7” TFT color display
- 800 × 480 pixels resolution
- 64K colors
- Dimmable LED back-light
- Resistive touchscreen
- One Ethernet port

DIMENSIONS

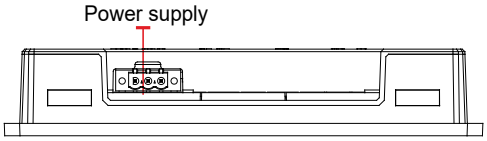
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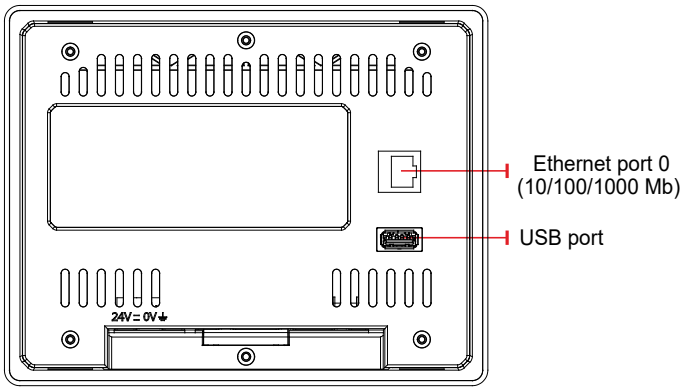


CUT-OUT



CONNECTION





WEB-HMI7/CF

DESCRIPTION

It is an effective platform for running browser applications in the industrial environment. The powerful dual-core CPU and the efficient Linux with real-time extensions guarantee optimal performance under the most demanding conditions.

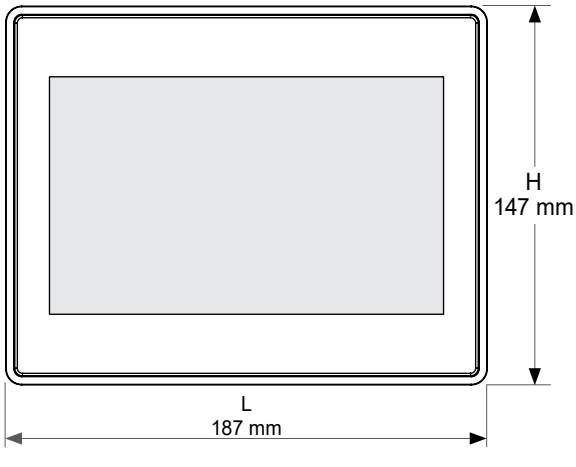
This product has been optimized as an ideal platform for the Chromium browser while retaining compatibility with the WEB-HMIxx/C family of HMI devices.

- ARM Cortex-A9 dual-core CPU
- 7" TFT color display
- 800 × 480 pixels (WVGA) resolution
- 64K colors
- Dimmable LED back-light
- Capacitive touchscreen
- Three Ethernet port

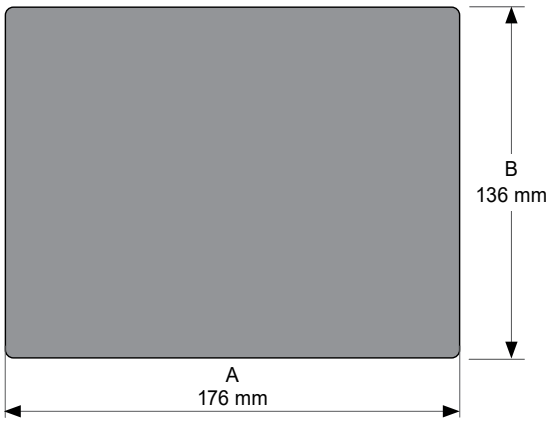


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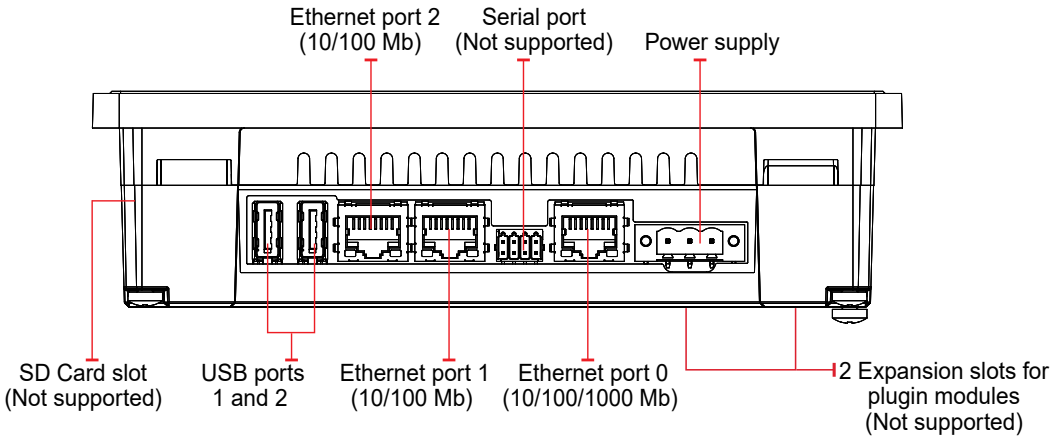
DIMENSION



CUT-OUT



CONNECTION



WEB-HMI10/CF

DESCRIPTION

The WEB-HMI10/CF HMI monitor combines state-of-the-art connectivity features and top performance in an appealing design.

It is designed to offer an outstanding price-to-performance ratio for challenging applications. It is an ideal choice for HMI applications including factory and building automation.

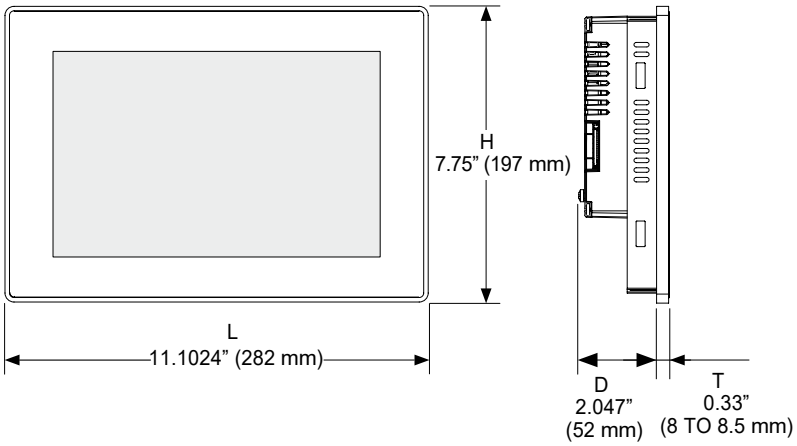
The glass-projected capacitive touchscreen and the brilliant 10.1" wide-screen display with a resolution of 1280 × 800 pixels guarantee superior optical performance; with the support of multi-touch gesture programming, a user-friendly human interface is obtained.



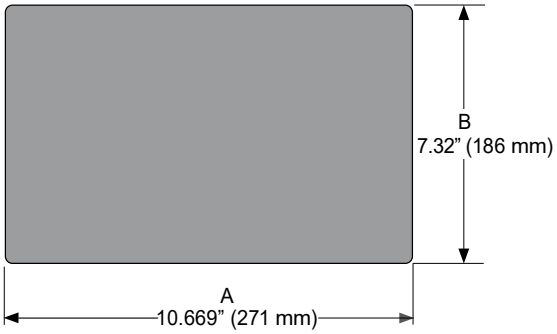
- 10.1" TFT color display
- 1280 × 800 pixels resolution with 16M colors
- Dimmable LED back-light
- Projected capacitive touchscreen.
- True glass design. Resistant to scratches, UV radiation, and chemicals
- Multi-touch operation
- Flush mounting for control cabinet installation
- IP66 from the front
- Operating temperature: –4°F to 140°F (–20°C to 60°C)
- Three Ethernet ports

DIMENSIONS

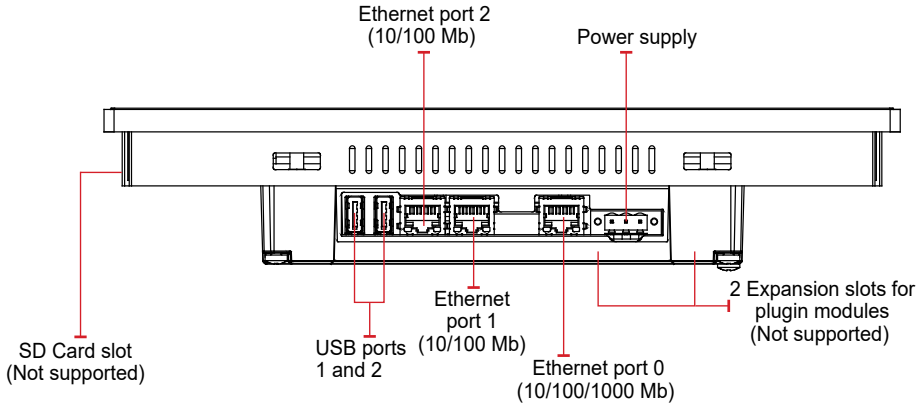
DIMENSION



CUT-OUT



CONNECTION



WEB-HMI15/CF

DESCRIPTION

The WEB-HMI15/CF HMI monitor combines state-of-the-art connectivity features and top performance in an appealing design.

It is designed to offer an outstanding price-to-performance ratio for challenging applications. It is an ideal choice for HMI applications including factory and building automation.

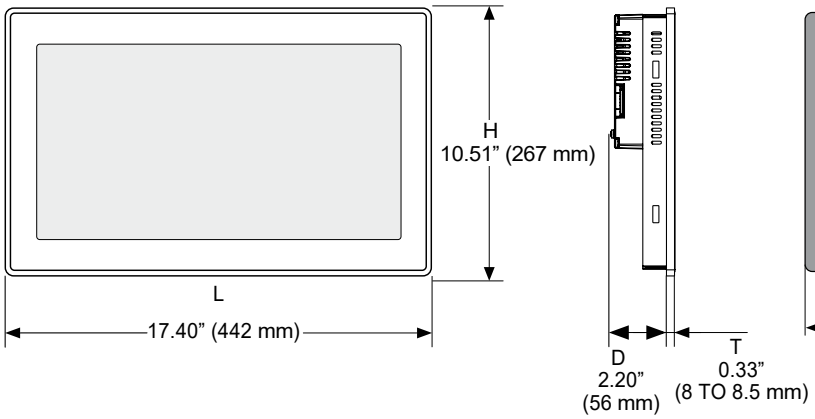
The glass-projected capacitive touchscreen and the brilliant 15.6"-widescreen display with a resolution of 1366 × 768 pixels guarantees superior optical performance; with the support of multi-touch gesture programming, a user-friendly human interface is obtained.



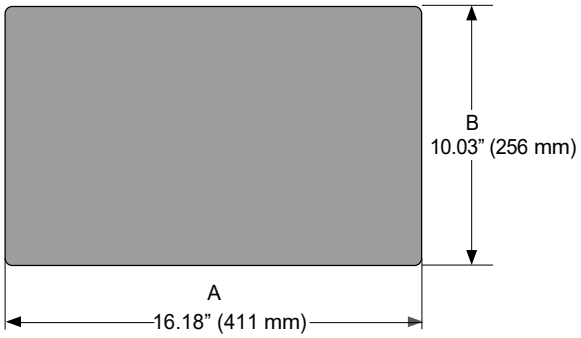
- 15.6" TFT color display
- 1366 × 768 pixels resolution with 16M colors
- Dimmable LED back-light
- Projected capacitive touchscreen.
- True glass design, resistant to scratches, UV radiation, and chemicals
- Multi-touch operation
- Flush mounting for control cabinet installation
- IP66 from the front
- Operating temperature: –4°F to 140°F (–20°C to 60°C)
- Three Ethernet ports

DIMENSIONS

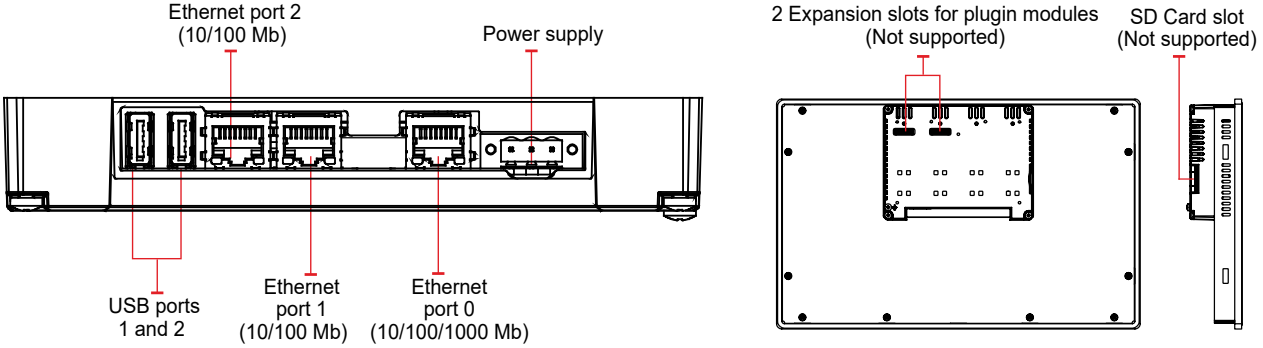
DIMENSION



CUT-OUT



CONNECTION



WEB-HMI21/CF

DESCRIPTION

The WEB-HMI21/C and WEB-HMI21/CF HMI monitor combines state-of-the-art connectivity features and top performance in an appealing design.

They have been designed to offer an outstanding price/performance ratio for challenging applications. They are the ideal choice for HMI applications including factory and building automation.

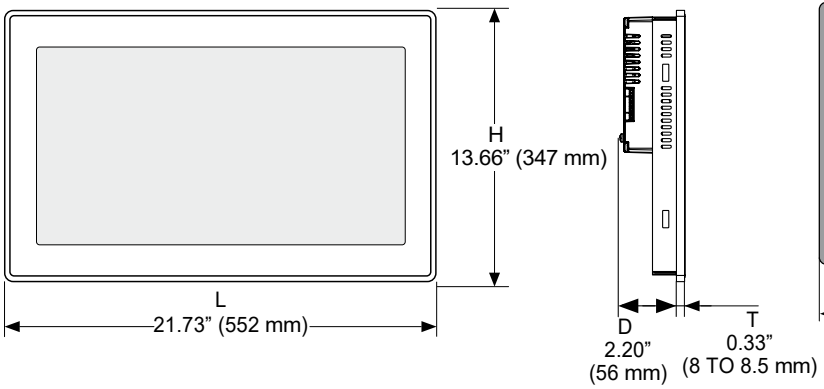
The glass-projected capacitive touchscreen and the brilliant 21.5”-widescreen display with a resolution of 1920 × 1080 pixels guarantee superior optical performance; with the support of multi-touch gesture programming, a user-friendly human interface is obtained.



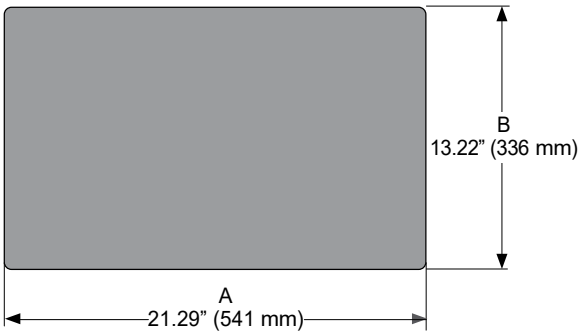
- 21.5” TFT color display
- 1920 × 1080 pixels resolution with 16M colors
- Dimmable LED back-light
- Projected capacitive touchscreen.
- True glass design. Resistant to scratches, UV, radiation, and chemicals
- Multitouch operation
- Flush mounting for control cabinet installation
- IP66 protection from the front
- Operating temperature: –4°F to 140°F (–20°C to 60°C)
- Three Ethernet ports

DIMENSIONS

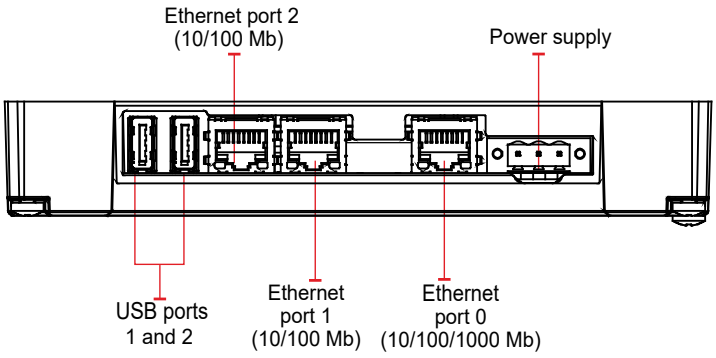
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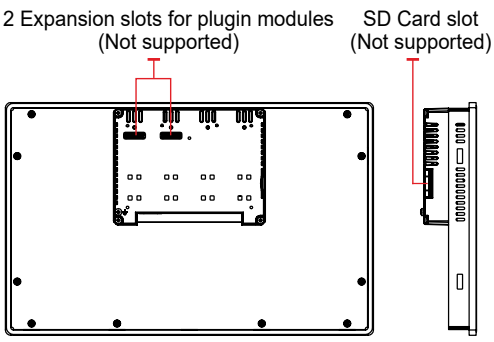


CUT-OUT



CONNECTION





TECHNICAL DATA

SYSTEM RESOURCES

PARAMETER	MODELS						
	WEB-HMI4/C	HMI-05C11WL0	WEB-HMI7/C	WEB-HMI7/CF	WEB-HMI10/CF	WEB-HMI15/CF	WEB-HMI21/CF
Display size	4.3" TFT 16:9	5" TFT 16.9	7" TFT 15:9	7" TFT 15:9	10.1" TFT 16:10, LED	15,6" TFT, 16:9, LED	21,5" TFT, 16:9, LED
Display colors	64K	16.7M	64K	16M	16M	16M	16M
Resolution	480 × 272	800 × 480	800 × 480, WVGA	800 × 480, WVGA	1280 × 800, WXGA	1366 × 768, HD	1920 × 1080, full HD
Brightness	200 cd/m² typ.	400 Cd/m² typ.	200 cd/m² typ.	500 cd/m² typ.	500 cd/m² typ.	400 cd/m² typ.	300 cd/m² typ.
Dimming	Yes	Yes	to 0%	to 0%	to 0%	to 0%	to 0%
Touchscreen	Resistive	**Projected** Capacitive - Multitouch	Resistive	True Glass Projected Capacitive, Multi-touch	True Glass Projected Capacitive, Multi-touch	True Glass Projected Capacitive, Multitouch	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A8 -1 GHz	64-bit RISC quad core - 1.6 GHz	ARM Cortex-A9 dual core 800 MHz	ARM Cortex-A9 dual core 800 MHz	i.MX8M Mini Quad ARM Cortex-A53	i.MX8M Mini Quad ARM Cortex-A53	i.MX8M Mini Quad ARM Cortex-A53
Operating System	Linux	Linux	Linux	Linux	Linux	Linux	Linux
RAM	512 MB	2 GB	1 GB	1 GB	2 GB	2 GB	2 GB
Flash	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB
Real Time Clock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RTC Back-up	Yes	Yes	No	Yes	Yes	Yes	Yes
Buzzer	Yes	Yes	No	Yes	Yes	Yes	Yes

INTERFACE

PARAMETER	MODELS						
	WEB-HMI4/C	HMI-05C11WL0	WEB-HMI7/C	WEB-HMI7/CF	WEB-HMI10/CF	WEB-HMI15/CF	WEB-HMI21/CF
Ethernet port	1 (port 0 – 10/100)	1 (10/100 Mbit)	1 (port 0 - 10/100/1000)	3 (port 0 – 10/100/1000, port 1 – 10/100, port 2 – 10/100)	3 (port 0 – 10/100/1000, port 1 – 10/100, port 2 – 10/100)	3 (port 0 – 10/100/1000, port 1 – 10/100, port 2 – 10/100)	3 (port 0 – 10/100/1000, port 1 – 10/100, port 2 – 10/100)
USB Port	1 (Host V2.0, max 500 mA) -for maintenance only	1 (Host v. 2.0, max. 500 mA) for maintenance only	1 (Host V2.0, max 500 mA) -for maintenance only	2 (Host V2.0, max 500 mA) -for maintenance only	2 (Host V2.0, max 500 mA) -for maintenance only	2 (Host V2.0, max 500 mA) -for maintenance only	2 (Host V2.0, max 500 mA) -for maintenance only
SD Card	For maintenance only	For maintenance only	For maintenance only	For maintenance only	For maintenance only	For maintenance only	For maintenance only

WEIGHT AND DIMENSIONS

PARAMETER	MODELS						
	WEB-HMI4/C	HMI-05C11WL0	WEB-HMI7/C	WEB-HMI7/CF	WEB-HMI10/CF	WEB-HMI15/CF	WEB-HMI21/CF
Faceplate (L x H)	5.78" × 4.21" (147 × 107 mm)	5.79" × 4.21" (147 × 107 mm)	7.36" × 5.79" (187 × 147 mm)	7.36" × 5.79" (187 × 147 mm)	11.10" × 7.76" (282 × 197 mm)	16.61" × 10.51" (422 × 267 mm)	21.73" × 13.66" (552 × 347 mm)
Cutout (A x B)	5.35" × 3.78" (136 × 96 mm)	5.31" × 3.78" (135 × 95 mm)	6.93" × 5.35" (176 × 136 mm)	6.93" × 5.35" (176 × 136 mm)	10.67" × 7.32" (271 × 186 mm)	16.18" × 10.08" (411 × 256 mm)	21.30" × 13.23" (541 × 336 mm)
Depth (D + T)	1.14" + 0.19" (29 + 5 mm)	1.14" + 0.32" (29 + 8 mm)	1.14" + 0.19" (29 + 5 mm)	1.85" + 0.31" to 0.33" (47 + 8 to 8.5 mm)	2.05 + 0.31 to 0.33" (52 + 8 to 8.5 mm)	2.05 + 0.31 to 0.33" (52 + 8 to 8.5 mm)	2.20 + 0.31 to 0.33" (56 + 8 to 8.5 mm)
Weight (Approx)	0.88 lb (0.4 Kg)	1.1 lb (0.5 kg)	1.92 lb (0.875 kg)	3.3 lb (1.5 kg)	5.5 lb (2.5 kg)	9 lb (4.1 kg)	13.4 lb (6.1 kg)

ELECTRICAL

PARAMETER	SPECIFICATION						
	WEB-HMI4/C	HMI-05C11WL0	WEB-HMI7/C	WEB-HMI7/CF	WEB-HMI10/CF	WEB-HMI15/CF	WEB-HMI21/CF
Power Supply	24 VDC (10 to 32 VDC)	24 Vdc (9 to 32 Vdc)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)
Current Consumption	0.25 A at 24 VDC (max)	0.35 A max. at 24 Vdc (max.)	0.3 A at 24 VDC (max)	0.7 A at 24 VDC (max)	1.0 A at 24 VDC (max)	1.2 A at 24 VDC (max)	1.7 A at 24 VDC (max)
Input Protection	Automatic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Battery	Yes (Super-capacitor)	Yes (Supercapacitor)	Yes (Supercapacitor)	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable

ENVIRONMENT

PARAMETER	SPECIFICATION						
	WEB-HMI4/C	HMI-05C11WL0	WEB-HMI7/C	WEB-HMI7/CF	WEB-HMI10/CF	WEB-HMI15/CF	WEB-HMI21/CF
Operating Temperature	32°F to 122°F (0°C to 50°C) (vertical installation)	-4°F to 131°F (-20°C to +55°C) (vertical installation)	32°F to 122°F (0°C to 50°C) (vertical installation)	–4°F to 140°F (–20°C to 60°C) (vertical installation)	–4°F to 140°F (–20°C to 60°C) (vertical installation)	–4°F to 140°F (–20°C to 60°C) (vertical installation)	–4°F to 140°F (–20°C to 60°C) (vertical installation)
Storage Temperature	–4°F to 158°F (–20°C to 70°C)	-22°F to -94°F -30°C to +70°C	–4°F to 158°F (–20°C to 70°C)	–4°F to 158°F (–20°C to 70°C)	–4°F to 158°F (–20°C to 70°C)	–4°F to 158°F (–20°C to 70°C)	–4°F to 158°F (–20°C to 70°C)
Operating/ Storage Humidity	5% to 85% RH, non-condensing	5 to 85% RH, non condensing	5% to 85% RH, non-condensing	5% to 85% RH, non-condensing	5% to 85% RH, non-condensing	5% to 85% RH, non-condensing	5% to 85% RH, non-condensing
Protection Class	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)

APPROVALS

	SPECIFICATION						
	WEB-HMI4/C	HMI-05C11WL0	WEB-HMI4/C	WEB-HMI7/CF	WEB-HMI10/CF	WEB-HMI15/CF	WEB-HMI21/CF
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments. Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments. Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	UL E160970	cULus: UL61010-1 / UL61010-2-201	UL E160970	UL E160970	UL E160970	UL E160970	UL E160970

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