SMART DISPLAY
TOUCHSCREEN MONITOR

The Smart Display series are touchscreen monitors with an embedded HTML5 web server. They combine state-of-the-art features, cybersecurity, and top performance, with an outstanding design. These touchscreen monitors are available in four different sizes, enabling suitable choices for any application.

The monitors securely integrate with any Honeywell web server, including Saia PCD PLCs, Honeywell Optimizer Advanced and Trend IQ5 controllers, and any 3rd party controller featuring a web server, thereby, delivering robust performance and comprehensive insight from the controller or building system.

The Smart Display Touchscreen Monitors series are available in various size options.

FEATURES AND HIGHLIGHTS

ROBUST & SECURED DISPLAY

- High cyber security level, including secure boot
- Protection from unauthorized access
- 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
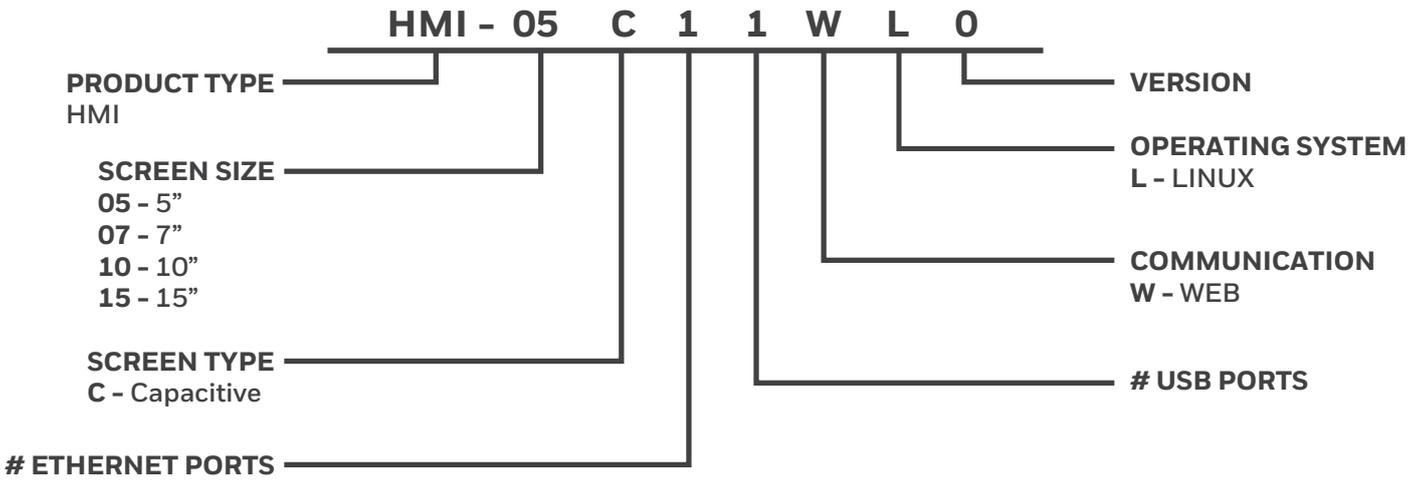- Elegant and robust design for control cabinet installation

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 automation, infrastructure automation, and OEM

INTELLIGIBLE DISPLAY

- Available in multiple display size options: 5", 7", 10.1" and 15.6"
- High resolution display
- Wide angle visibility
- Capacitive touch versions with total glass design. Resistant to scratches, UV, and chemicals

Honeywell

PRODUCT NUMBER DESCRIPTION

HMI – 05   C   1   1   W   L   0

PRODUCT TYPE
HMI

SCREEN SIZE
05 – 5"
07 – 7"
10 – 10"
15 – 15"

SCREEN TYPE
C – Capacitive

ETHERNET PORTS

USB PORTS

VERSION

OPERATING SYSTEM
L – LINUX

COMMUNICATION
W – WEB

PRODUCT DETAILS

ORDERING INFORMATION					
PRODUCT NUMBER	DISPLAY SIZE	RESOLUTION (PIXELS)	SCREEN TYPE	INTERFACE	SECURE BOOT*
HMI-05C11WL0	5 inches	800 x 480	Capacitive	1 Ethernet port 1 USB host port	Yes
HMI-07C11WL0	7 inches	1024 x 600	Capacitive	1 Ethernet port 1 USB host port	Yes
HMI-10C11WL0	10 inches	1280 x 800	Capacitive	1 Ethernet port 1 USB host port	Yes
HMI-15C11WL0	15 inches	1980 x 1080	Capacitive	1 Ethernet port 1 USB host port	Yes

HMI-05C11WL0

DESCRIPTION

The HMI-05C11WL0 features a 5" TFT wide screen display with a resolution of 800 x 480 pixel with 16.7M colors.
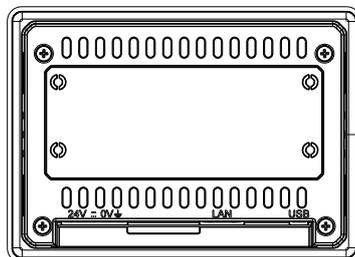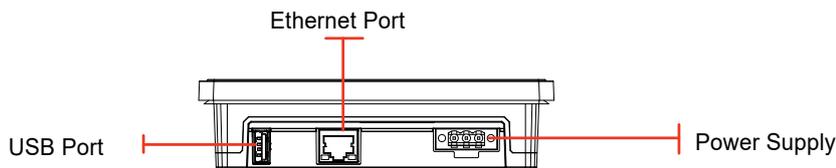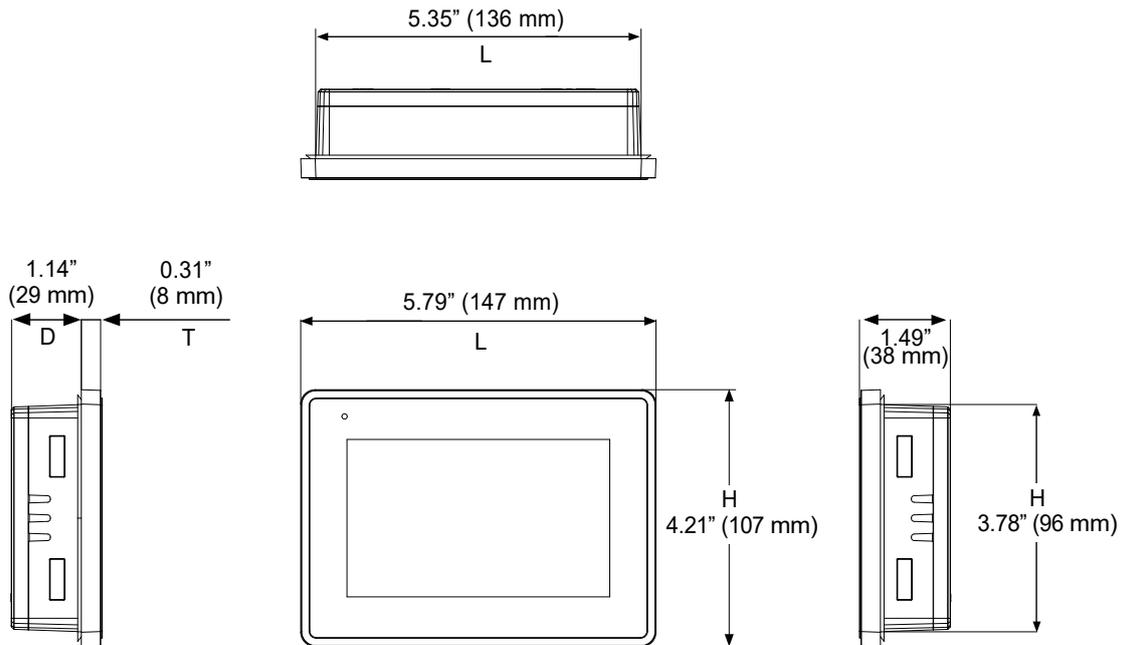
It is designed to offer top browsing with technical specifications, features and performance that make it the ideal choice for edge devices where requirements of applications in industry are data control and visualization.

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

- 64-bit RISC quad core - 1 GHz
- 5" TFT color display
- 800 × 480 pixels resolution
- 16.7M colors
- LED back-light
- Capacitive multitouch screen
- One Ethernet port

DIMENSIONS

5.35" (136 mm)
L

1.14" (29 mm) D
0.31" (8 mm) T

5.79" (147 mm)
L

H
4.21" (107 mm)

1.49" (38 mm)

H
3.78" (96 mm)

Ethernet Port

USB Port

Power Supply

24V - 0V   LAN   USB

HMI-07C11WL0

DESCRIPTION

The HMI-07C11WL0 features a 7" TFT wide screen display with a resolution of 1024 x 600 pixel with 16.7M colors.
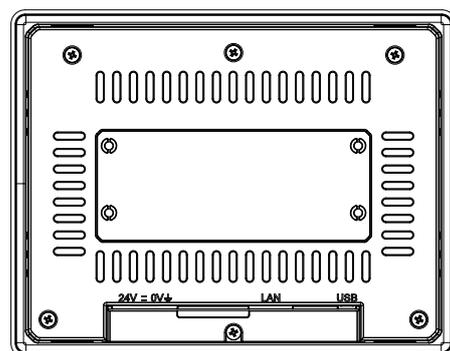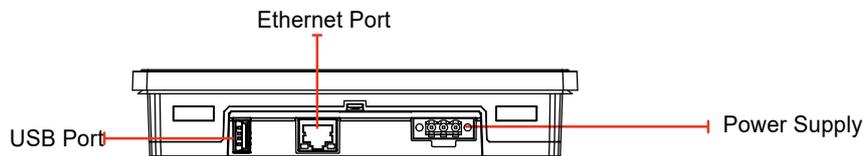
It is designed to offer a top browsing with technical specifications, features and performance that make it the ideal choice for edge devices where the requirement of applications in industry are the data control and the visualization.

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

- 64-bit RISC quad core - 1 GHz
- 7" TFT color display
- 1024 × 600 pixels resolution
- 16.7M colors
- LED back-light
- Capacitive multitouch screen
- One Ethernet port

DIMENSIONS

6.93" (176 mm)
L

1.14" (29 mm)   0.31" (8 mm)
D   T

1.49" (38 mm)

7.36" (187 mm)
L

H 5.79" (147 mm)

H 5.35" (136 mm)

Ethernet Port

USB Port

Power Supply

24V ⎓ 0V   LAN   USB

HMI-10C11WL0

DESCRIPTION

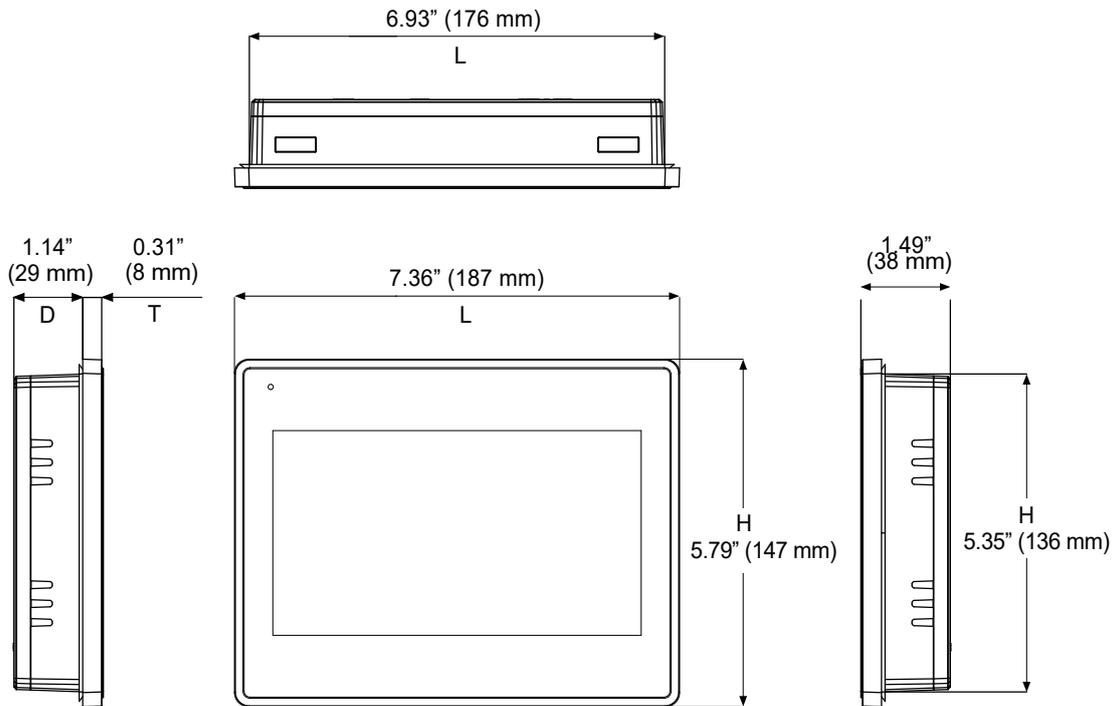The HMI-10C11WL0 features a 10.1" TFT wide screen display with a resolution of 1280 x 800 pixel with 16.7M colors.

It is designed to offer top browsing with technical specifications, features and performance that make it the ideal choice for edge devices where requirements of applications in industry are data control and 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 data from multiple devices.

• 64-bit RISC quad core - 1 GHz
• 10" TFT color display
• 1280 x 800 pixels resolution
• 16.7M colors
• LED back-light
• Capacitive multitouch screen
• One Ethernet port

DIMENSIONS

10.67" (271 mm)
L

1.14" (29 mm)   0.31" (8 mm)
D   T

11.10" (282 mm)
L

H
7.76" (197 mm)

1.49" (38 mm)

H
7.32" (186 mm)

Ethernet Port

USB Port

Power Supply

HMI-15C11WL0

DESCRIPTION

The HMI-15C11WL0 features a 15.6" TFT wide screen display with a resolution of 1920 x 1080 pixels with 16.7M colors.
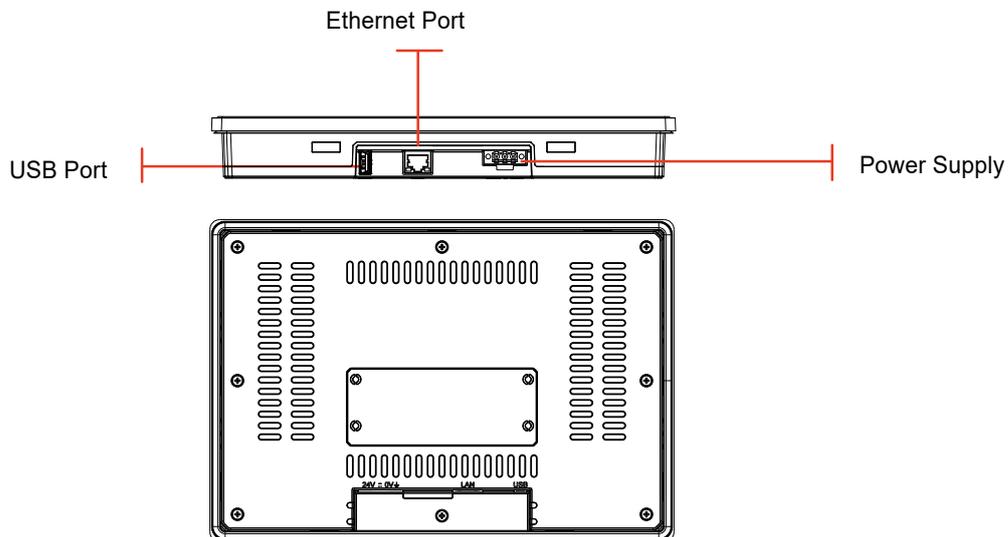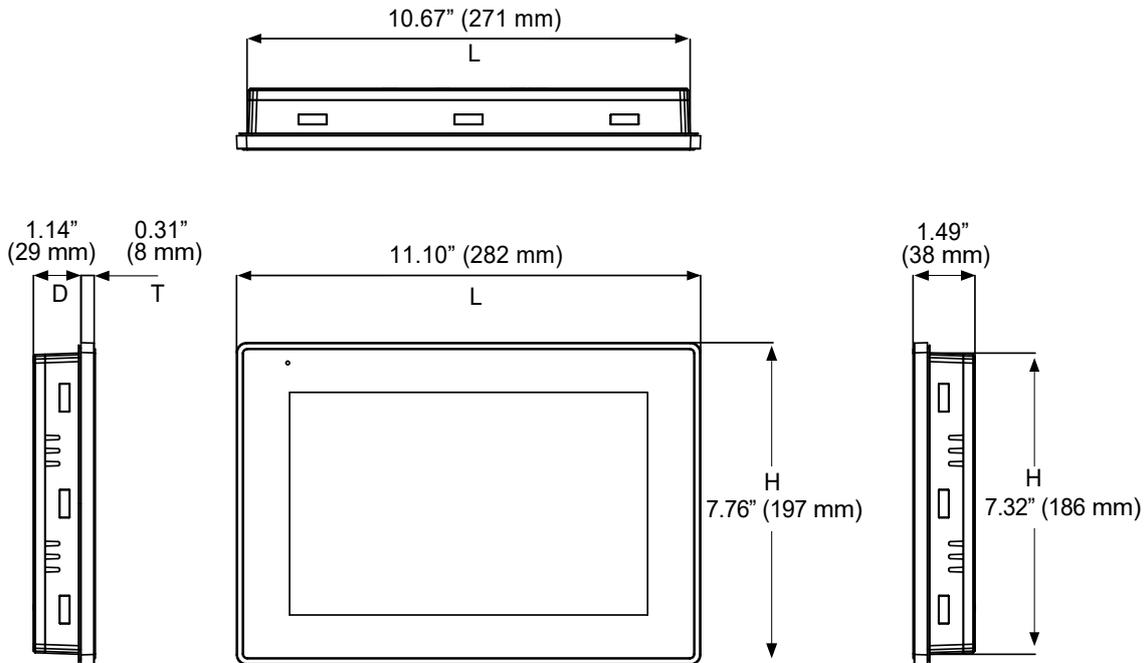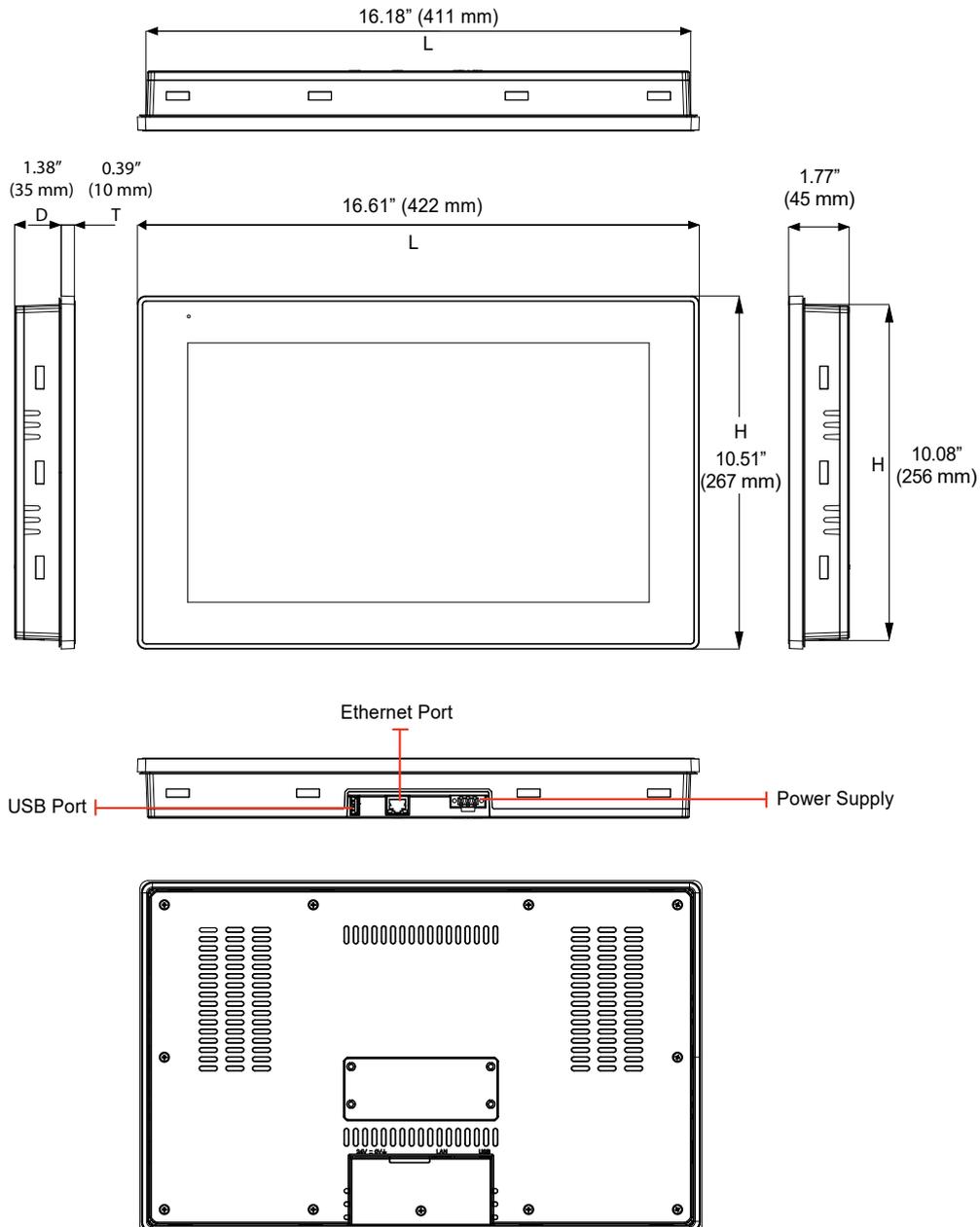
It is designed to offer top browsing with technical specifications, features and performance that make it the ideal choice for edge devices where requirements of applications in industry are data control and visualization.

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

- 64-bit RISC quad core - 1 GHz
- 15.6" TFT color display
- 1920 x 1080 pixels resolution
- 16.7M colors
- LED back-light
- Capacitive multitouch screen
- One Ethernet port

DIMENSIONS

16.18" (411 mm)
L

1.38" (35 mm)   0.39" (10 mm)
D   T

1.77" (45 mm)

16.61" (422 mm)
L

H
10.51" (267 mm)

H   10.08" (256 mm)

Ethernet Port

USB Port

Power Supply

TECHNICAL DATA

SYSTEM RESOURCES				
PARAMETER	**DESCRIPTION**			
	HMI-05C11WL0	**HMI-07C11WL0**	**HMI-10C11WL0**	**HMI-15C11WL0**
Display size	5" TFT	7" TFT	10.1" TFT	15.6" TFT
Display colors	16.7M	16.7M	16.7M	16.7M
Resolution	800 x 480 pixels	1024 x 600 pixels	1280 x 800 pixels	1920 x 1080 pixels
Brightness	400 Cd/m2 typ.	400 Cd/m2 typ.	400 Cd/m2 typ.	350 Cd/m2 typ.
Dimming	Yes	Yes	Yes	Yes
Touchscreen	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch
CPU	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz
Operating System	Linux	Linux	Linux	Linux
RAM	2 GB	2 GB	2 GB	2 GB
Flash	4 GB	4 GB	4 GB	4 GB
Real Time Clock	Yes	Yes	Yes	Yes

INTERFACE				
PARAMETER	**DESCRIPTION**			
	HMI-05C11WL0	**HMI-07C11WL0**	**HMI-10C11WL0**	**HMI-15C11WL0**
Ethernet Port	1 (10/100 Mbit)	1 (10/100 Mbit)	1 (10/100 Mbit)	1 (10/100 Mbit)
USB Port	1 (Host v. 2.0, max. 500 mA)	1 (Host v. 2.0, max. 500 mA)	1 (Host v. 2.0, max. 500 mA)	1 (Host v. 2.0, max. 500 mA)

WEIGHT AND DIMENSIONS				
PARAMETER	**DESCRIPTION**			
	HMI-05C11WL0	**HMI-07C11WL0**	**HMI-10C11WL0**	**HMI-15C11WL0**
Faceplate (L x H)	5.79 × 4.21" (147 × 107 mm)	7.36 × 5.79" (187 × 147 mm)	11.10 × 7.76" (282 × 197 mm)	16.61 × 10.51" (422 × 267 mm)
Cutout (A x B)	5.35 × 3.78" (136 × 96 mm)	6.93 × 5.35" (176 × 136 mm)	10.67 × 7.32" (271 × 186 mm)	16.18 × 10.08" (411 × 256 mm)
Depth (D + T)	1.14 + 0.31" (29 + 8 mm)	1.14 + 0.31" (29 + 8 mm)	1.14 + 0.31" (29 + 8 mm)	1.38 + 0.39" (35 + 10 mm)
Weight (Approx)	0.5 Kg (1.10 lbs)	0.7 Kg (1.54 lbs)	1.3 Kg (2.87 lbs)	3.2 Kg (7.05 lbs)

ELECTRICAL				
PARAMETER	**DESCRIPTION**			
	HMI-05C11WL0	**HMI-07C11WL0**	**HMI-10C11WL0**	**HMI-15C11WL0**
Power Supply	24 VDC (9 to 32 VDC)	24 VDC (9 to 32 VDC)	24 VDC (9 to 32 VDC)	24 VDC (10 to 32 VDC)
Current Consumption	0.35 A max. at 24 VDC (max.)	0.4 A max. at 24 VDC	0.5 A max. at 24 VDC	0.75 A max. at 24 VDC
Input Protection	Electronic	Electronic	Electronic	Electronic
RTC Back-up	Yes (Supercapacitor)	Yes (Supercapacitor)	Yes (Supercapacitor)	Yes (Supercapacitor)

TECHNICAL DATA

ENVIRONMENT				
PARAMETER	**DESCRIPTION**			
	HMI-05C11WL0	**HMI-07C11WL0**	**HMI-10C11WL0**	**HMI-15C11WL0**
Operating Temperature (Vertical installation)	-4°F to 131°F -20°C to +55°C	-4°F to 131°F -20°C to +55°C	-4°F to 131°F -20°C to +55°C	-4°F to 131°F -20°C to +55°C
Storage Temperature	-30°C to +70°C -22°F to -94°F	-30°C to +70°C -22°F to -94°F	-30°C to +70°C -22°F to -94°F	-30°C to +70°C -22°F to -94°F
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
Protection Class	IP66 (front), IP20 (rear) – Type 12, 4X	IP66 (front), IP20 (rear) – Type 12, 4X	IP66 (front), IP20 (rear) – Type 12, 4X	IP66 (front), IP20 (rear) – Type 12, 4X

APPROVALS AND CERTIFICATIONS				
PARAMETER	**DESCRIPTION**			
	HMI-05C11WL0	**HMI-07C11WL0**	**HMI-10C11WL0**	**HMI-15C11WL0**
CE	Electromagnetic Compatibility Directive 2014/30/ EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201

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