

UHP-CPU7205-SP

Product Notes

UHP-CPU7205-SP

Unified Hardware Platform Standard Performance

5" TFT, PCAP Touchscreen,
2 x Ethernet Ports

- 5" TFT color display, resolution 800x480 pixel
- Dimmable LED backlight
- Projected Capacitive Touchscreen
- Multitouch operation
- 64-bit quad core CPU
- Operating Temperature -20°C to +55°C
- Configurable Buzzer
- Approvals:
 - CE - Electromagnetic Compatibility Directive 2014/30/EU (EMC)
 - UL - cULus: UL61010-1 / UL61010-2-201
 - RCM - Yes



UHP-CPU7205-SP - Highlights

This unit features a powerful 64-bit quad core CPU that ensures your control applications are running in their optimal environment for the highest performance.

This Standard Performance unit provides our most advanced graphical and security features, in addition to the outstanding communication features, including access to a wide selection of industry standard and 3rd party equipment protocols including OPC UA Client/Server and MQTT.

The glass projected capacitive touchscreen, and the brilliant 5-inch widescreen display guarantee great optical performance; with the support of multi-touch gesture programming, it can create the most natural human interfaces.

The UHP-CPU7205-SP can be installed in either Landscape (wide-screen) or Portrait (vertical) orientation.

The UHP-CPU7205-SP is just one of 4 different screen sizes in our Unified Hardware Platform, Standard Performance Series.

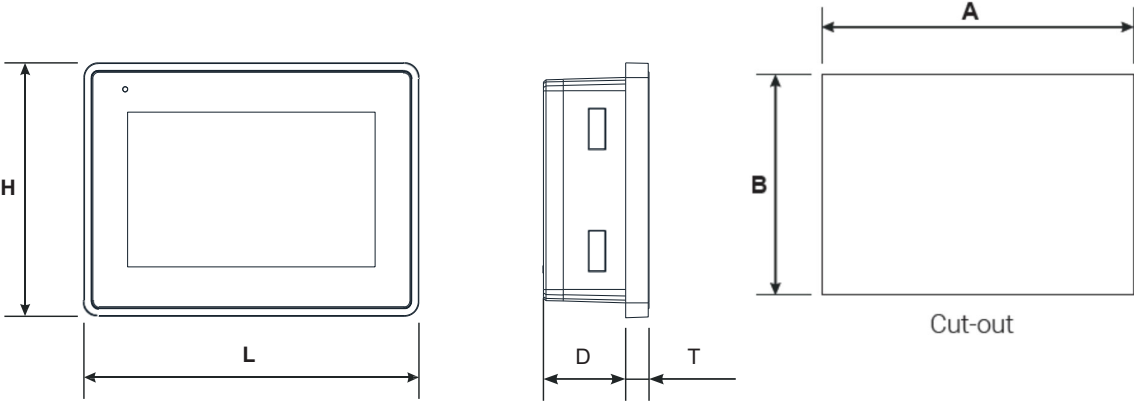
We also offer 7-inch, 10-inch and 15-inch screen sized units.

All Standard Performance Series models are an ideal choice for the most demanding IoT edge applications in factory, process and building automation applications, where powerful and performing Process Control Stations are needed.

Designed for classic control panel installations, near your operations team members.



- 1 Power Supply
- 2 Serial Port/CAN port
- 3 Ethernet Port
- 4 Ethernet Port
- 5 USB port (vers. 2.0-1.1)



System Resources	
Display - Colors	5" TFT 16:9 LED - 64K
Resolution	800 x 400 pixels
Brightness	400 Cd/m2 typ.
Dimming	Yes
Touchscreen	Projected Capacitive, Multitouch
CPU	64-bit RISC quad core - 1.6 GHz
Operating System	Linux
Flash	4 GB (pSLC mode - High reliability)
RAM	2 GB
FRAM	64 KB
RT-Clock,	Yes
RTCBack-up	Super Capacitor Backup
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)
CAN Port	1 Isolated
Buzzer	Yes, Configurable
Indicator Light	1 RGB LED Configurable
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.9 at 24 Vdc (max.)
Input Protection	Electronic
Environmental Conditions	
Operating Temperature	-20° to +55 °C (vertical installation)
Storage Temperature	-30°C to +70°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	147x107 mm (5.78x4.21")
Cutout AxB	136x96 mm (5.35x3.78")
Depth D+T	29+8 mm (1.14+0.31")
Weight	0.5 Kg
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes

Ordering Information

Model	Part Number	Description
UHP-CPU7205-SP	UHPCPU7205SP	5" Unified Hardware Platform, Process Control Station - Standard Performance