

NEW PRODUCT RELEASE

TP/WP 6000 next-generation HMI operator panels

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Description

The 6000 series are the next-generation HMI operator panels from Phoenix Contact. The TP 6000 fills the role of a traditional VISU+-based touch panel, whereas the WP 6000 is the next-gen HTML5-based web panel. The 6000 series HMIs feature the same look and feel as the capacitive-touch TP 3000/WP 4000 models with faster processors offering a better price/performance ratio than ever before. The all-metal 6000 series is available in six screen sizes ranging from 7" to 21.5" and is designed for indoor applications. Outdoor/wide-temperature/HAZLOC models will follow in 2023.

What makes the product unique?

The 6000 series is the next-generation HMI platform featuring glove-friendly capacitive-touch screens. Uniquely positioned as the HMI flagship series, the displays are designed for unmatched performance and visualization capabilities. The TP/WP 6000 offers state-of-the-art PCAP multitouch widescreen (16:9) displays fitted to a rugged, all-metal housing. This new HMI generation offers our customers a future-proof platform with quicker delivery times and an improved price/performance ratio.

Features and customer benefits

- Better price/performance ratio vs. previous generation TP3000/WP4000
- Modern hardware platform with increased performance
- Available in 6 screen sizes: 7", 10", 12.1", 15.6", 18.5", and 21.5"
- Full HD resolution on 15.6", 18.5", and 21.5" models
- Standard proximity sensor on 12.1" and up
- Capacitive multitouch screen compatible with most gloves
- The TP 6000 series can communicate with all major third-party PLCs from Rockwell, Schneider, Siemens, etc. The TP 6000 supports most Ethernet-based communication protocols (EtherNet/IP™, PROFINET, Modbus/TCP, OPC UA). The TP 6000s are also programmed with the free VISU+ EXPRESS HMI design software
- The WP 6000 HTML5-based web panels allow communication with any third-party web server via a wired Ethernet connection
- Reduce engineering costs when reusing existing projects from TP 3000/WP 4000
- Same panel cut-out dimensions as the equivalent screen size WP 4000
- Neutral, logoless front bezel



Phoenix Contact eXtended Reality
Scan the QR codes with your mobile device camera or QR code reader to launch **PXR**.

Interact with the 3D model of the product. Click the "View product list" button to see listings or "View in my space" to project the model into your area (AR experience).

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Reason for product development

The 6000 series was developed as the successor for the TP 3000 and WP 4000 series, with the main goals being faster performance and more competitive price levels. In addition, we plan to have higher stock levels available, which will shorten lead time. The TP 3000 and WP 4000 series will be phased out in 2022.

Where/when will this product be used?

HMI operator panels are designed to visualize data and display diagnostic information in automated systems. They can be used in virtually any industry and application, from agricultural to water/wastewater.

The TP 6000 series HMIs offer connectivity to all major PLC platforms via established Ethernet-based communication platforms such as EtherNet/IP™, PROFINET, Modbus/TCP, or OPC UA. The WP 6000 series HTML5 web panels talk to any third-party web server, plus all our PLCnext controllers.

Applications

- Displays production data
- Visualizes diagnostic information or alarms
- Allows data manipulation to change production parameters
- Improves machine utilization and increases production flexibility

Markets

- Agricultural
- Automotive
- Packaging
- Material handling
- E-Mobility
- Energy
- Solar
- Mining
- Oil and gas
- Water/wastewater
- Plus more

Part number	Description	Size	Resolution	Environmental
1189629	TP6070-WVPS	7"	800 x 480	Indoor, -20°C to +50°C
1190417	TP6101-WXPS	10.1"	1280 x 800	Indoor, -20°C to +50°C
1190420	TP6121-WXPS	12.1"	1280 x 800	Indoor, -20°C to +50°C
1190421	TP6156-WHPS	15.6"	1920 x 1080	Indoor, 0°C to +50°C
1190423	TP6185-WHPS	18.5"	1920 x 1080	Indoor, 0°C to +50°C
1190424	TP6215-WHPS	21.5"	1920 x 1080	Indoor, 0°C to +50°C
1290800	WP6070-WVPS	7"	800 x 480	Indoor, -20°C to +50°C
1290801	WP6101-WXPS	10.1"	1280 x 800	Indoor, -20°C to +50°C
1290802	WP6121-WXPS	12.1"	1280 x 800	Indoor, -20°C to +50°C
1290803	WP6156-WHPS	15.6"	1920 x 1080	Indoor, 0°C to +50°C
1290807	WP6185-WHPS	18.5"	1920 x 1080	Indoor, 0°C to +50°C
1290809	WP6215-WHPS	21.5"	1920 x 1080	Indoor, 0°C to +50°C

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Promotional and support material

Demos: Contact your local ASE-C or marketing

Literature: HMI/IPC brochure (1158541-02)

Samples: Please contact HMI/IPC marketing to determine which demo units are available. We will try to coordinate regional demo units with the ASE-C team to assist with application testing.

Website URL: www.phoenixcontact.com/HMI

HMI/IPC Warranty

Phoenix Contact industrial PCs (IPCs) and HMI operator panels (HMIs) are used in a wide variety of automation, process visualization, and control applications. Reducing susceptibility to surges is crucial for increasing up-time and extending the life expectancy of the HMI/IPC and its power supply. Phoenix Contact's surge suppression protects these devices from damaging surges, thus protecting your investment.

With properly installed surge protection devices (SPDs), any damage that occurs is contained within the SPD. The modular SPD design allows the end-of-life plug to be replaced without cutting off power. Additionally, the SPD can be connected to a remote monitoring system to notify the operator that the module needs to be replaced.

Phoenix Contact will extend the existing comprehensive two-year warranty on all HMIs/IPCs to a five-year limited warranty when used with the appropriate Phoenix Contact power supply and surge protection solution.

Product/industry marketing contacts

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