

WP 6121-WXPS - Web panel



1290802

<https://www.phoenixcontact.com/us/products/1290802>

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IP66 Touch panel with 12.1-inch widescreen (16:9) XGA, PCAP display, Software: Qt Browser



Your advantages

- Easy startup – just enter the IP and URL
- Flexible, thanks to open web standard and free choice of web server and visualization software
- No security updates are required for JAVA or Flash plug-ins thanks to HTML5
- Ideal for use with PLCnext Engineer or CODESYS
- Embedded Linux operating system
- Visualization of self-programmed JavaScript applications possible

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1290802 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DR17 |
| Product key | DRCADF |
| GTIN | 4063151522650 |
| Weight per piece (including packing) | 2,260 g |
| Weight per piece (excluding packing) | 2,100 g |
| Customs tariff number | 84714100 |
| Country of origin | TW |

Technical data

Product properties

| | |
|--------------|----------------|
| Product type | Operator panel |
|--------------|----------------|

Computer data

| | |
|---------------------|---------------------------|
| Processor | Arm® Cortex®-A53, 1.6 GHz |
| Operating system | Yocto/Linux® |
| Data storage system | Flash eMMC, 8 GB |
| Slots | 1x microSD |

Display

| | |
|-----------------------|--|
| Display type | 30.7 cm / 12.1"-TFT |
| Screen resolution | 1280 x 800 Pixel(s) (WXGA) |
| Touch technology | projective-capacitive (PCAP) |
| Display lighting type | LED |
| Brightness | 400 cd/m ² , typical (adjustable) |
| MTBF | 50000 h |
| Color spectrum | 16.7 million colors |
| Reading angle left | 88.00 ° |
| Reading angle right | 88.00 ° |
| Reading angle top | 88.00 ° |
| Reading angle bottom | 88.00 ° |

Interfaces

| | |
|---------------------|---|
| Interfaces | 2x USB Host 2.0, 1x USB Type C 3.0 1x COM (RS-232/422/485) |
| Optional interfaces | Without optional interface |
| Network | 1x Ethernet (10/100/1000 Mbps), RJ45 |
| Bus system | without |

System properties

| | |
|---------------|------------|
| User software | QT browser |
|---------------|------------|

System requirements

| | |
|----------------|------------|
| Runtime system | Qt Browser |
|----------------|------------|

Electrical properties

Supply

| | |
|-----------------------------|------------------|
| Supply voltage | 24 V DC |
| Supply voltage range | 18 V ... 32 V |
| Power supply unit | 24 V DC ±20 % |
| Max. current consumption | 1.81 A (24 V DC) |
| Typical current consumption | 0.9 A (24 V DC) |

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Real-time clock

| | |
|----------------|-----------------------------|
| Realtime clock | Integrated (battery backup) |
|----------------|-----------------------------|

Mounting

| | |
|---------------|----------------|
| Mounting type | Front mounting |
|---------------|----------------|

Material specifications

| | |
|----------------------|------------------------------------|
| Material front plate | Aluminum (natural anodized) |
| Housing material | Aluminum cast alloy, powder-coated |

Connection data

| | |
|-----------------------------------|---|
| Connection method | Screw connection |
| Conductor cross section, rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section, flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 24 ... 12 |
| Stripping length | 7 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|--|-------------------------------|
| Degree of protection | IP66 (front), IP20 (back) |
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C |
| Permissible humidity (operation) | 5 % ... 85 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 85 % (non-condensing) |
| Vibration (operation) | 1g |

Dimensions

External dimensions

| | |
|------------------------|---|
| Width / Height / Depth | 302 mm / 229 mm / 51 mm (Dimensions of the front plate) |
|------------------------|---|

Installation dimensions

| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 292 mm / 219 mm / (Installation cutout) |
|-------------------------------------|---|

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1290802>



EAC

Approval ID: RU C-DE.A*08.B01708



IECEE CB Scheme

Approval ID: US-39088-UL



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705



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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27330201 |
| ECLASS-12.0 | 27330201 |
| ECLASS-13.0 | 27330201 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC001412 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43211900 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-15 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

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Accessories

TP6/WP6/VL3 MOUNTING HW (2PCS) - Panel-mount flange

1289537

<https://www.phoenixcontact.com/us/products/1289537>



Mounting kit includes two retaining clips

TP/WP 6000 RTC BATTERY KIT - Battery

1289761

<https://www.phoenixcontact.com/us/products/1289761>



Replacement battery for TP 6000 and WP 6000 panels, and VL3 BPC/PPC/UPC.

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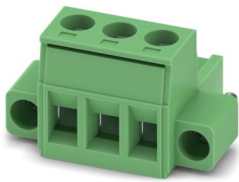
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MSTB 2,5/ 3-STF-5,08 - PCB connector

1777992

<https://www.phoenixcontact.com/us/products/1777992>



PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/...-STF, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - without locking clip, plug-in system: COMBICON MSTB 2,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard

MICROSDHC-16GB - Memory

1154696

<https://www.phoenixcontact.com/us/products/1154696>



Industrial grade 16 GB MicroSDHC 3DTLC

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MICROSDHC-32GB - Memory

1154699

<https://www.phoenixcontact.com/us/products/1154699>

Industrial grade 32 GB MicroSDHC 3DTLC



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