

Web panel - WP 6070-WVPS



1290800

<https://www.phoenixcontact.com/pc/products/1290800>

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IP66 Touch panel with 7.0-inch widescreen (16:9) VGA, 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 | 1290800 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product Key | DRCADF |
| GTIN | 4063151522568 |
| 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 | Flash eMMC, 8 GB |
| Slots | 1x microSD |

Display

| | |
|-----------------------|--------------------------------|
| Display type | 17.8 cm/7" TFT |
| Screen resolution | 800 x 480 Pixel(s) (WVGA) |
| Touch technology | projective-capacitive (PCAP) |
| Display lighting type | LED |
| Brightness | 500 cd/m² typical (adjustable) |
| MTBF | 50000 h |
| Color spectrum | 16.7 million colors |
| Reading angle left | 89 ° |
| Reading angle right | 89 ° |
| Reading angle top | 89 ° |
| Reading angle bottom | 89 ° |

Software

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

System requirements

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

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 |

Electrical properties

Supply

| | |
|----------------------|---------------|
| Supply voltage | 24 V DC |
| Supply voltage range | 18 V ... 32 V |
| Power supply unit | 24 V DC ±20 % |

Real-time clock

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

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Mounting

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

Material specifications

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

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 | 202 mm / 146 mm / 51 mm (Dimensions of the front plate) |
|------------------------|---|

Installation dimensions

| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 195 mm / 139 mm / (Installation cutout) |
|-------------------------------------|---|

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Approvals



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

cULus Listed

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27330201 |
| ECLASS-10.0.1 | 27330201 |
| ECLASS-11.0 | 27330201 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001412 |
|----------|----------|

UNSPSC

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

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Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| | 1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME) 110-71-4 |

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Accessories

Panel-mount flange

Panel-mount flange - TP6/WP6/VL3 MOUNTING HW (2PCS) - 1289537

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



Mounting kit includes two retaining clips

Battery

Battery - TP/WP 6000 RTC BATTERY KIT - 1289761

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



Replacement battery for TP and WP 6000 touch panel

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PCB connector

PCB connector - MSTB 2,5/ 3-STF-5,08 - 1777992

<https://www.phoenixcontact.com/pc/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, type of contact: Female connector, 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, mounting: Screw flange, type of packaging: packed in cardboard

Memory

Memory - MICROSDHC-16GB - 1154696

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



Industrial grade 16 GB MicroSDHC 3DTLC

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Memory

Memory - MICROSDHC-32GB - 1154699

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

Industrial grade 32 GB MicroSDHC 3DTLC



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