# WP 6070-WVPS - Web panel

1290800

https://www.phoenixcontact.com/us/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 |
| Note | Made to order (non-returnable) |
| Sales key | DR17 |
| 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

### Notes

#### Note on application

| | |
|---|---|
| Note on application | Only for industrial use |

### Product properties

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

#### Data management status

| | |
|---|---|
| Article revision | 05 |

#### 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 | 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 | 89.00 ° |
| Reading angle right | 89.00 ° |
| Reading angle top | 89.00 ° |
| Reading angle bottom | 89.00 ° |

### 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

| Service life of battery | 5 years (typical) |
|---|---|

### 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 | 0.61 A (24 V DC) |

### Real-time clock

| Realtime clock | Yes (battery-backed) |
|---|---|

## 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 mm² ... 2.5 mm² |
| Conductor cross section, flexible | 0.2 mm² ... 2.5 mm² |
| 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 | 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

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1290800

| | |
|---|---|
| **CB** scheme | **IECEE CB Scheme**<br>Approval ID: US-39088-UL |

| | |
|---|---|
| 🅄🄻 | **UL Listed**<br>Approval ID: E238705 |

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| 🅄🄻 | **cUL Listed**<br>Approval ID: E238705 |

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|---|
| **cULus Listed** |

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## 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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