

WP 6215-WHPS - Web panel



1290809

<https://www.phoenixcontact.com/us/products/1290809>

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IP66 Touch panel with 21.5-inch widescreen (16:9) HD, 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 | 1290809 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DR17 |
| Product key | DRCADF |
| GTIN | 4063151523138 |
| Weight per piece (including packing) | 9,800 g |
| Weight per piece (excluding packing) | 6,300 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 |
|--------------|----------------|

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 | 54.6 cm / 21.5"-TFT |
| Screen resolution | 1920 x 1080 Pixel(s) (Full HD) |
| Touch technology | projective-capacitive (PCAP) |
| Display lighting type | LED |
| Brightness | 400 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 2.0 |
| | 1x USB 3.0, Typ C |
| | 1x COM (RS-232/422/485) |
| Optional interfaces | Without optional interface |
| Network | 1 x Ethernet (10/100/1000 Mbps), RJ45 |
| Bus system | without bus system |

System properties

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

System requirements

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

Electrical properties

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

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Supply

| | |
|-----------------------------|---------------------|
| Supply voltage (DC) | 24 V DC \pm 20% |
| Supply voltage range | 18 V DC ... 32 V DC |
| Power supply unit | 24 V DC \pm 20 % |
| Max. current consumption | 1.81 A (24 V DC) |
| Typical current consumption | 1.37 A (24 V DC) |

Real-time clock

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

Mounting

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

Material specifications

| | |
|----------------------|------------------------------------|
| Color (Housing) | white aluminium (RAL 9006) |
| 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) | -20 °C ... 60 °C |
| Permissible humidity (operation) | 10 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (non-condensing) |
| Shock | 15g with 11 ms impulse |
| Vibration (operation) | 1g |

Dimensions

External dimensions

| | |
|------------------------|---|
| Width / Height / Depth | 532 mm / 346 mm / 51 mm (Dimensions of the front plate) |
|------------------------|---|

Installation dimensions

| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 522 mm / 336 mm / (Installation cutout) |
|-------------------------------------|---|

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1290809>



IECEE CB Scheme

Approval ID: US-39088-UL



UL Listed

Approval ID: E238705



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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27330201 |
| ECLASS-15.0 | 27330201 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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) |
|-------------------------------------|----------------------|

EF3.1 Climate Change

| | |
|---------|-----------------|
| CO2e kg | 137.501 kg CO2e |
|---------|-----------------|

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