

TP 6185-WHPS - Touch panel



1190423

<https://www.phoenixcontact.com/us/products/1190423>

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IP66 Touch panel with 18.5-inch widescreen (16:9) HD, PCAP display, Software: Visu+ RT



Your advantages

- PCAP touch interface, ten-point multi touch control
- Fanless design
- Dual USB 2.0 ports
- Integrated Visu+ visualization software
- Ideal for use with PLCnext
- Configurable multifunction serial port

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1190423 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DR17 |
| Product key | DRCADC |
| GTIN | 4063151240042 |
| Weight per piece (including packing) | 8,316 g |
| Weight per piece (excluding packing) | 7,920 g |
| Customs tariff number | 84714100 |
| Country of origin | TW |

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Technical data

Notes

Note on application

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

Product properties

| | |
|--------------|----------------|
| Product type | Operator panel |
| Weight | 5.2 kg |

Computer data

| | |
|---------------------|-----------------------------|
| Processor | Arm® Cortex®-A9, 800 MHz |
| Operating system | Windows® Embedded Compact 7 |
| Data storage system | Flash eMMC, 8 GB |
| Slots | 1x microSD |

Display

| | |
|-----------------------|--|
| Display type | 46.9 cm / 18.5"-TFT |
| Screen resolution | 1920 x 1080 Pixel(s) (HD) |
| Touch technology | projective-capacitive (PCAP) |
| Display lighting type | LED |
| Brightness | 350 cd/m ² , 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 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 | Visu+ |
|---------------|-------|

System requirements

| | |
|----------------|---------------|
| Runtime system | Visu+ Runtime |
|----------------|---------------|

Electrical properties

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

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Supply

| | |
|-----------------------------|---|
| Supply voltage | 24 V DC \pm 20% |
| Supply voltage range | 18 V ... 32 V |
| Power supply unit | 24 V DC \pm 20 % |
| Max. current consumption | 1.81 A (max. system configuration at 24 V DC) |
| Typical current consumption | 1.34 A (max. system configuration at 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 |
| Conductor cross-section, flexible, with ferrule, with plastic sleeve | 0.25 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible, with ferrule, without plastic sleeve | 0.25 mm ² ... 2.5 mm ² 0.25 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible, with ferrule, with plastic sleeve | 0.25 mm ² ... 2.5 mm ² |
| Stripping length | 7 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|--|--------------------------------|
| Degree of protection | IP66 (front), IP20 (back) |
| Ambient temperature (operation) | 0 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 60 °C |
| Permissible humidity (operation) | 10 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 85 % (non-condensing) |
| Shock | 15g with 11 ms impulse |
| Vibration (operation) | 1g |

Dimensions

External dimensions

| | |
|------------------------|---|
| Width / Height / Depth | 465 mm / 310 mm / 51 mm (Dimensions of the front plate) |
|------------------------|---|

Installation dimensions

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| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 455 mm / 300 mm / (Installation cutout) |
|-------------------------------------|---|

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1190423>



IECEE CB Scheme

Approval ID: US-39088-UL



UL Listed

Approval ID: E238705



cUL Listed

Approval ID: E238705

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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001412 |
|-----------|----------|

UNSPSC

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| 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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