WP 6185-WHPS - Web panel

1290807

https://www.phoenixcontact.com/us/products/1290807

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IP66 Touch panel with 18.5-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	1290807
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR17
Product key	DRCADF
GTIN	4063151523046
Weight per piece (including packing)	2,260 g
Weight per piece (excluding packing)	2,100 g
Customs tariff number	84714100
Country of origin	TW

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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	46.9 cm/18.5" TFT
Screen resolution	1920 x 1080 Pixel(s) (Full HD)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	350 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

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	1.34 A (24 V DC)

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 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)	0 °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)
Vibration (operation)	1g

Dimensions

External dimensions

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

Installation dimensions

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

Approvals

🛈 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1290807

IECEE CB Scheme
Approval ID: US-39088-UL

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

UL Listed
Approval ID: FILE E 238705

cUL Listed
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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

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

1777992

https://www.phoenixcontact.com/us/products/1777992
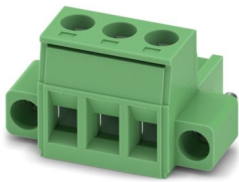
PCB connector, nominal cross section: 2.5 mm^2, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/..-STF, pitch: 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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