

WP 6121-WXPS - Web panel



1290802

<https://www.phoenixcontact.com/us/products/1290802>

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IP66 Touch panel with 12.1-inch widescreen (16:9) XGA, 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	1290802
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR17
Product key	DRCADF
GTIN	4063151522650
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
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Product properties

Product type	Operator panel
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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	30.7 cm / 12.1"-TFT
Screen resolution	1280 x 800 Pixel(s) (WXGA)
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	88.00 °
Reading angle right	88.00 °
Reading angle top	88.00 °
Reading angle bottom	88.00 °

Interfaces

Interfaces	2x USB Host 2.0
	1x USB 3.0, Typ C
	1x COM (RS-232/422/485)
Optional interfaces	Without optional interface
Network	1x Ethernet (10/100/1000 Mbps), RJ45
Bus system	without bus system

System properties

User software	QT browser
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System requirements

Runtime system	Qt Browser
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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	0.9 A (24 V DC)

Real-time clock

Realtime clock	Yes (battery-backed)
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Mounting

Mounting type	Front mounting
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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 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)	-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	302 mm / 229 mm / 51 mm (Dimensions of the front plate)
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Installation dimensions

Width / Height / Installation depth	292 mm / 219 mm / (Installation cutout)
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1290802>



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 9.0	EC001412
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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: n/a)
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