TP 6121-WXPS - Touch panel

1190420

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IP66 Touch panel with 12.1-inch widescreen (16:9) XGA, 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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1190420
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR17
Product key	DRCADC
GTIN	4063151239985
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
Weight	2.6 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	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 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)

Supply

Supply voltage	24 V DC ±20%
Supply voltage range	18 V ... 32 V
Power supply unit	24 V DC ±20 %
Max. current consumption	1.81 A (max. system configuration at 24 V DC)
Typical current consumption	0.9 A (max. system configuration at 24 V DC)

Real-time clock

Real-time 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 mm² ... 2.5 mm²
Conductor cross-section, flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 2.5 mm²
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.25 mm² ... 2.5 mm²
	0.25 mm² ... 2.5 mm²
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 2.5 mm²
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 ... 85 °C
Permissible humidity (operation)	5 % ... 85 % (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	302 mm / 229 mm / 51 mm (Dimensions of the front plate)

Installation dimensions

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1190420

IECEE CB Scheme
Approval ID: US-39088-UL

UL Listed
Approval ID: E238705

cUL Listed
Approval ID: E238705

Classifications

ECLASS

ECLASS-13.0	27330201
ECLASS-15.0	27330201

ETIM

ETIM 10.0	EC001412

UNSPSC

UNSPSC 21.0	43211900

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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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