TP 6156-WHPS - Touch panel

1190421

https://www.phoenixcontact.com/us/products/1190421

IP66 Touch panel with 15.6-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	1190421
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR17
Product key	DRCADC
GTIN	4063151239053
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

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Operator panel
Weight	4.3 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	39.6 cm / 15.6"-TFT
Screen resolution	1920 x 1080 Pixel(s) (HD)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	450 cd/m²
MTBF	50000 h
Color spectrum	16.7 million colors
Reading angle left	85.00 °
Reading angle right	85.00 °
Reading angle top	85.00 °
Reading angle bottom	85.00 °

Interfaces

Interfaces	2x USB Host 2.0
	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	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 ±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	1.27 A (max. system configuration at 24 V DC)

Real-time clock

Realtime clock	Yes (battery-backed)

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
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
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)
Vibration (operation)	1g

Dimensions

External dimensions

Width / Height / Depth	398 mm / 273 mm / 51 mm (Dimensions of the front plate)

Installation dimensions

Width / Height / Installation depth	388 mm / 263 mm / (Installation cutout)

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1190421

IECEE CB Scheme
Approval ID: US-39088-UL

UL Listed
Approval ID: E238705

cUL Listed
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Classifications

ECLASS

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)