

TP 6185-WHPS - Touch panel

1190423

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



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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
Note	Made to order (non-returnable)
Sales key	DR17
Product key	DRCADC
GTIN	4063151240042
Weight per piece (including packing)	7,920 g
Weight per piece (excluding packing)	7,920 g
Customs tariff number	84714100
Country of origin	TW

TP 6185-WHPS - Touch panel

1190423

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



Technical data

Product properties

Product type	Operator panel
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/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 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	Visu+
System requirements	
Runtime system	Visu+ Runtime

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 (max. system configuration at 24 V DC)
Typical current consumption	1.34 A (max. system configuration at 24 V DC)

TP 6185-WHPS - Touch panel

1190423

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



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 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
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	465 mm / 310 mm / 51 mm (Dimensions of the front plate)
------------------------	---

Installation dimensions

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

TP 6185-WHPS - Touch panel

1190423

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



Approvals

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



EAC

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



IECEE CB Scheme

Approval ID: US-39088-UL



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705



IECEE CB Scheme

Approval ID: US-39088-UL



EAC

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



cUL Listed

Approval ID: FILE E 238705



UL Listed

Approval ID: FILE E 238705

TP 6185-WHPS - Touch panel

1190423

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



Classifications

ECLASS

ECLASS-11.0	27330201
ECLASS-12.0	27330201
ECLASS-13.0	27330201

ETIM

ETIM 9.0	EC001412
----------	----------

UNSPSC

UNSPSC 21.0	43211900
-------------	----------

TP 6185-WHPS - Touch panel

1190423

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



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-l

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)
-------------------------------------	----------------------

TP 6185-WHPS - Touch panel



1190423

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

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.



TP 6185-WHPS - Touch panel



1190423

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

MICROSDHC-16GB - Memory

1154696

<https://www.phoenixcontact.com/us/products/1154696>

Industrial grade 16 GB MicroSDHC 3DTLC



MICROSDHC-32GB - Memory

1154699

<https://www.phoenixcontact.com/us/products/1154699>

Industrial grade 32 GB MicroSDHC 3DTLC



TP 6185-WHPS - Touch panel



1190423

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

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

1777992

<https://www.phoenixcontact.com/us/products/1777992>



PCB connector, nominal cross section: 2.5 mm², 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

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com