TP 3057V/WT-65 - Touch panel

1044278

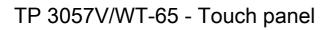https://www.phoenixcontact.com/us/products/1044278

Rugged touch panel with 14.5 cm / 5.7" TFT display (analog-resistive (GFG)), 640 x 480 pixels (VGA), degree of protection: IP65 (front), extended temperature range, ARM$^®$ Cortex$^®$-A8, 1000 MHz, Windows$^®$ Embedded Compact 7, and Visu+ application software.

Your advantages

- Resistant to UV and IR radiation
- Resistant to environmental influences, such as salt spray, termites, and chemicals
- Weatherproof
- Display can be read in sunlight
- Can be operated when wearing work gloves

Commercial data

Item number	1044278
Packing unit	1 pc
Sales key	DR17
Product key	DRCACC
Catalog page	Page 489 (C-6-2019)
GTIN	4055626622415
Weight per piece (including packing)	800 g
Weight per piece (excluding packing)	800 g
Customs tariff number	84714100
Country of origin	DE

Technical data

Product properties

Product type	Operator panel
Application	Rugged

Computer data

Processor	Arm® Cortex®-A8, 1000 MHz
Operating system	Windows® Embedded Compact 7
RAM	512 MB LPDDR RAM
	1 MB SRAM
Data storage system	NAND-Flash, 1 GB
Slots	1x SD
Extras	Integrated acoustic signal (buzzer)

Display

Display type	14.5 cm/5.7" TFT active
Readability in sunlight	yes
Screen resolution	640 x 480 Pixel(s) (VGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	400 cd/m², typical (adjustable)
MTBF	40000 h
Color spectrum	262144 colors
Reading angle left	65.00 °
Reading angle right	65.00 °
Reading angle top	55.00 °
Reading angle bottom	52.00 °

Interfaces

Interfaces	2x USB Host 2.0
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without

System properties

User software	Visu+

System requirements

Runtime system	Visu+ Runtime

Electrical properties

Service life of battery	5 years (typical)

Supply

Power supply unit	24 V DC ±20 %

Typical current consumption	0.3 A

Real-time clock

Realtime clock	Yes

Mounting

Mounting type	Front mounting

Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
	NEMA 4X
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 80 °C
Altitude	3000 mm
Permissible humidity (operation)	20 % ... 85 %
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Dimensions

External dimensions

Width / Height / Depth	168 mm / 132 mm / 5 mm (Dimensions of the front plate)

Installation dimensions

Width / Height / Installation depth	160 mm / 118 mm / 42 mm (Mounting cutout, depth with bus if bus system present in the device)