

# TP154STM/100130003 S00069 - Touch panel



2401001

<https://www.phoenixcontact.com/us/products/2401001>

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.



Touch panel, 39.05 cm / 15.4"-TFT display (analog resistive (polyester)), 1280 x 800 pixel(s) (WXGA), 65536 colors, Arm® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

## Commercial data

Item number	2401001
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCABA
GTIN	4055626109862
Weight per piece (including packing)	1,900 g
Weight per piece (excluding packing)	1,900 g
Country of origin	DE

## Technical data

### Product properties

Product type	Operator panel
--------------	----------------

### Computer data

Processor	Arm® Cortex®-A8, 800 MHz
Operating system	Windows® Embedded Compact 7
RAM	512 MB LPDDR SDRAM
Data storage system	NAND-Flash, 256 MB
Slots	1x SD

### Display

Display type	39.05 cm / 15.4"-TFT
Screen resolution	1280 x 800 Pixel(s) (WXGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	360 cd/m <sup>2</sup> typical (adjustable)
MTBF	50000 h
Color spectrum	65536 colors
Reading angle left	70.00 °
Reading angle right	70.00 °
Reading angle top	80.00 °
Reading angle bottom	80.00 °

### Interfaces

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

### System properties

User software	Open platform
---------------	---------------

### Electrical properties

Service life of battery	5 years (typical)
-------------------------	-------------------

### Supply

Power supply unit	24 V DC ±20 %
Typical current consumption	0.9 A

### Real-time clock

Realtime clock	Yes
----------------	-----

### Mounting

Mounting type	Front mounting
---------------	----------------

2401001

<https://www.phoenixcontact.com/us/products/2401001>

## 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)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Altitude	3000 m
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	420 mm / 297 mm / 5 mm (Dimensions of the front plate)
------------------------	--

### Installation dimensions

Width / Height / Installation depth	396 mm / 273 mm / (Mounting cutout, depth with bus if bus system present in the device)
-------------------------------------	---

# TP154STM/100130003 S00069 - Touch panel



2401001

<https://www.phoenixcontact.com/us/products/2401001>

## Classifications

### UNSPSC

UNSPSC 21.0	43211904
-------------	----------

2401001

<https://www.phoenixcontact.com/us/products/2401001>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 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)
-------------------------------------	----------------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)