

# TPE070BGW/A00290029 S00131 - Touch panel



2401641

<https://www.phoenixcontact.com/us/products/2401641>

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.



Rugged-Touch panel, 17.8 cm / 7"-TFT display (Analog resistive (GFG)), 800 x 480 pixel(s) (WVGA), 262144 colors, Intel® Atom™ E3815 1.46 GHz, 4x USB Host 2.0, 1 x Ethernet (10/100/1000 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

Similar figure

## Commercial data

Item number	2401641
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCACA
GTIN	4055626378282
Weight per piece (including packing)	1.1 kg
Weight per piece (excluding packing)	1.1 kg
Country of origin	DE

2401641

<https://www.phoenixcontact.com/us/products/2401641>

## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
----------	---

### Product properties

Product type	Operator panel
Application	Rugged

#### Computer data

Processor	Intel® Atom™ E3815 1.46 GHz
Operating system	Windows® Embedded Compact 7
RAM	2 GB DDR2
Data storage system	Flash, 4 GB (integrated)
Slots	1x SD
Extras	Integrated acoustic signal (buzzer)

#### Display

Display type	17.8 cm / 7"-TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	Analog resistive (GFG)
Display lighting type	LED
Brightness	350 cd/m <sup>2</sup> , typical (adjustable)
MTBF	40000 h
Color spectrum	262144 colors
Reading angle left	70.00 °
Reading angle right	70.00 °
Reading angle top	65.00 °
Reading angle bottom	65.00 °

### Interfaces

Interfaces	4x USB Host 2.0
Network	1 x Ethernet (10/100/1000 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 %
-------------------	---------------

# TPE070BGW/A00290029 S00131 - Touch panel



2401641

<https://www.phoenixcontact.com/us/products/2401641>

Max. current consumption	0.6 A
--------------------------	-------

## Real-time clock

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

## Mounting

Mounting type	Bolt fixing
---------------	-------------

## Material specifications

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

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 (front), IP20 (back) NEMA 4X
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-30 °C ... 80 °C
Altitude	4000 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	234 mm / 174 mm / 5 mm (Dimensions of the front plate)
------------------------	--

### Installation dimensions

Width / Height / Installation depth	200 mm / 140 mm / 99 mm (Mounting cutout, depth with bus if bus system present in the device)
-------------------------------------	---

2401641

<https://www.phoenixcontact.com/us/products/2401641>

## Environmental product compliance

### 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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

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)