

TP121BTS/A00390009 S00131 - Touch panel



2401644

<https://www.phoenixcontact.com/us/products/2401644>

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, 30.7 cm / 12.1"-TFT display (analog resistive (polyester)), 800 x 600 pixel(s) (SVGA), 262144 colors, Intel® Atom™ E3815 1.46 GHz, 4x USB Host 2.0, 2x Ethernet (10/100/1000 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

Commercial data

Item number	2401644
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCABA
GTIN	4055626371962
Weight per piece (including packing)	2.4 kg
Weight per piece (excluding packing)	2.4 kg
Country of origin	DE

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
--------------	----------------

Computer data

Processor	Intel® Atom™ E3815 1.46 GHz
Operating system	Windows® Embedded Compact 7
RAM	2 GB DDR3
Data storage system	Flash, 4 GB (integrated)
Slots	1x SD
Extras	Integrated acoustic signal (buzzer)

Display

Display type	30.7 cm / 12.1"-TFT
Screen resolution	800 x 600 Pixel(s) (SVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	360 cd/m ² typical (adjustable)
MTBF	50000 h
Color spectrum	262144 colors
Reading angle left	80.00 °
Reading angle right	80.00 °
Reading angle top	65.00 °
Reading angle bottom	75.00 °

Interfaces

Interfaces	4x USB Host 2.0
Network	2x 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 %
Max. current consumption	0.8 A

2401644

<https://www.phoenixcontact.com/us/products/2401644>

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)	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	340 mm / 270 mm / 5 mm (Dimensions of the front plate)
------------------------	--

Installation dimensions

Width / Height / Installation depth	315 mm / 244 mm / 68 mm (Mounting cutout, depth with bus if bus system present in the device)
-------------------------------------	---

2401644

<https://www.phoenixcontact.com/us/products/2401644>

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