

TPE070BKW/A01090029 S00131 - Touch panel



2401660

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Rugged-Touch panel, 17.8 cm / 7"-TFT display (Projective-capacitive, single-touch control), 800 x 480 pixel(s) (WVGA), 16.7 million colors, Intel® Atom™ E3815 1.46 GHz, 4x USB Host 2.0, 1x COM (RS-232), 1x COM (RS-232/485), 1 x Ethernet (10/100/1000 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

Similar figure

Commercial data

Item number	2401660
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCADA
GTIN	4055626378978
Weight per piece (including packing)	1.1 kg
Weight per piece (excluding packing)	1.1 kg
Country of origin	DE

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Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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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 DDR3
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	Projective-capacitive, single-touch control
Display lighting type	LED
Brightness	400 cd/m ² , typical (adjustable)
MTBF	50000 s
Color spectrum	16.7 million colors
Reading angle left	70.00 °
Reading angle right	70.00 °
Reading angle top	60.00 °
Reading angle bottom	60.00 °

Interfaces

Interfaces	4x USB Host 2.0
	1x COM (RS-232)
	1x COM (RS-232/485)
Network	1 x Ethernet (10/100/1000 Mbps), RJ45
Bus system	without bus system

System properties

User software	Open platform
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Electrical properties

Service life of battery	5 years (typical)
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Supply

Power supply unit	24 V DC \pm 20 %
Max. current consumption	0.5 A

Real-time clock

Realtime clock	Yes
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Mounting

Mounting type	Bolt fixing
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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)
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Installation dimensions

Width / Height / Installation depth	200 mm / 140 mm / 105 mm (Mounting cutout, depth with bus if bus system present in the device)
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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%
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