

TP070BTW/A00790009 S00131 - Touch panel



2401646

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Touch panel, 17.8 cm / 7"-TFT display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 262144 colors, Intel® Atom™ E3815 1.46 GHz, 4x USB 2.0, 1x COM (RS-232), 1x COM (RS-232/485), 2x Ethernet (10/100/1000 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

Commercial data

Item number	2401646
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCABA
GTIN	4055626372198
Weight per piece (including packing)	1.3 kg
Weight per piece (excluding packing)	1.3 kg
Country of origin	DE

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
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Computer data

Processor	Intel® Atom™ E3815 1.46 GHz
Operating system	Windows® Embedded Compact 7
RAM	2 GB DDR3
Data storage system	Flash eMMC, 4 GB
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 (polyester)
Display lighting type	LED
Brightness	350 cd/m ² , 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 2.0
	1x COM (RS-232)
	1x COM (RS-232/485)
Network	2x 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

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Power supply unit	24 V DC \pm 20 %
Max. current consumption	0.8 A

Real-time clock

Realtime clock	Yes
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Mounting

Mounting type	Front mounting
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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	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	203 mm / 147 mm / 5 mm (Dimensions of the front plate)
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Installation dimensions

Width / Height / Installation depth	195 mm / 139 mm / 91 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.
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EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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