

# 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 <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 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.

### EU REACH SVHC

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