

# TPM121ZTM-12/800330904 S00087 - Touch panel



2401409

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Maritime-Touch panel, 30.7 cm / 12.1"-TFT display (analog resistive (polyester)), 1280 x 800 pixel(s) (WXGA), 262144 colors, Intel® Atom™ E680T 1.6 GHz, 4x USB Host 2.0, 2x Ethernet (10/100/1000 Mbps), RJ45, Windows® CE 6.0, Visu+, without bus system.

## Commercial data

Item number	2401409
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCBBC
GTIN	4055626146454
Weight per piece (including packing)	3,522 g
Weight per piece (excluding packing)	2,300 g
Country of origin	Information on the country of origin is provided with the delivery.

## Technical data

### Product properties

Product type	Panel PC
Application	Maritime

### Computer data

Processor	Intel® Atom™ E680T 1.6 GHz
Operating system	Windows® CE 6.0
RAM	2 GB DDR2 SDRAM
Data storage system	SATA DOM SSD (SLC), 8 GB
Slots	1x SD
Optional keys	without
Extras	Maritime without keys

### Display

Display type	30.7 cm / 12.1"-TFT
Screen resolution	1280 x 800 Pixel(s) (WXGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	320 cd/m <sup>2</sup> typical (adjustable)
MTBF	50000 h
Color spectrum	262144 colors
Reading angle left	88.00 °
Reading angle right	88.00 °
Reading angle top	88.00 °
Reading angle bottom	88.00 °

### System properties

User software	Visu+
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### Electrical properties

Service life of battery	5 years (typical)
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### Supply

Typical current consumption	0.9 A
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### Real-time clock

Realtime clock	Yes
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### Supply

Power supply unit	24 V DC ±20 %
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### Interfaces

Interfaces	4x USB Host 2.0
Network	2x Ethernet (10/100/1000 Mbps), RJ45

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Bus system	without bus system
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## Dimensions

### External dimensions

Width / Height / Depth	336 mm / 252 mm / 5 mm (Dimensions of the front plate) / / 82 mm (without serial interface)
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### Installation dimensions

Width / Height / Installation depth	310 mm / 226 mm / 100 mm (Mounting cutout, depth with serial interface)
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## Material specifications

Material front plate	Aluminum (black 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 ... 55 °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)	0.7g, in accordance with EN 60068-2-6

## Mounting

Mounting type	Front mounting
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## Classifications

### UNSPSC

UNSPSC 21.0	43211904
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I

### 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.)	Lead(CAS: 7439-92-1)
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