

TPM070ZTW-12/800730904 S00063 - Touch panel



2401288

<https://www.phoenixcontact.com/us/products/2401288>

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Maritime-Touch panel, 17.8 cm / 7"-TFT display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 262144 colors, Intel® Atom™ E680T 1.6 GHz, 4x USB Host 2.0, 1x COM (RS-232), 1x COM (RS-232/485), 2x Ethernet (10/100/1000 Mbps), RJ45, Windows® CE 6.0, Open platform, without bus system.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2401288 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRCBBA |
| GTIN | 4055626107622 |
| Weight per piece (including packing) | 900 g |
| Weight per piece (excluding packing) | 900 g |
| 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 |
| 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 |
| Extras | Maritime with keys |

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 Host 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

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|---------------|---------------|
| User software | Open platform |
|---------------|---------------|

Electrical properties

| | |
|-------------------------|-------------------|
| Service life of battery | 5 years (typical) |
|-------------------------|-------------------|

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Supply

| | |
|-----------------------------|-------|
| Typical current consumption | 0.7 A |
|-----------------------------|-------|

Real-time clock

| | |
|----------------|-----|
| Realtime clock | Yes |
|----------------|-----|

Supply

| | |
|-------------------|--------------------|
| Power supply unit | 24 V DC \pm 20 % |
|-------------------|--------------------|

Mounting

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|---------------|----------------|
| Mounting type | Front mounting |
|---------------|----------------|

Material specifications

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|----------------------|---------------------------|
| 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 |

Dimensions

External dimensions

| | |
|------------------------|--|
| Width / Height / Depth | 203 mm / 165 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--|

Installation dimensions

| | |
|-------------------------------------|--------------------------|
| Width / Height / Installation depth | 195 mm / 157 mm / 105 mm |
|-------------------------------------|--------------------------|

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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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