

TPM121ZTM-12/800730904 S00063 - Touch panel



2401308

<https://www.phoenixcontact.com/us/products/2401308>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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, 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 | 2401308 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRCBBA |
| GTIN | 4055626107547 |
| Weight per piece (including packing) | 2,100 g |
| Weight per piece (excluding packing) | 2,100 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 | 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/m² 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 ° |

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

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

Electrical properties

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

Supply

| | |
|-----------------------------|-------|
| Typical current consumption | 1.3 A |
|-----------------------------|-------|

Real-time clock

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

Supply

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

Mounting

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

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 |

Dimensions

External dimensions

| | |
|------------------------|--|
| Width / Height / Depth | 336 mm / 252 mm / 5 mm (Dimensions of the front plate) / / 82 mm (without serial interface) |
|------------------------|--|

Installation dimensions

| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 310 mm / 226 mm / 100 mm (Mounting cutout, depth with serial interface) |
|-------------------------------------|---|

Environmental product compliance

| | |
|--|---|
| China RoHS | |
| Environment friendly use period (EFUP) | <div>EFUP-15</div> <div>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.</div> |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com