

TP121BTM/A00390009 S00131 - Touch panel



2401645

<https://www.phoenixcontact.com/us/products/2401645>

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Touch panel, 30.7 cm / 12.1"-TFT display (analog resistive (polyester)), 1280 x 800 pixel(s) (WXGA), 262144 colors, Intel® Atom™ E3815 1.46 GHz, 4x USB Host 2.0, 2x Ethernet (10/100/1000 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2401645 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRCABA |
| GTIN | 4055626372013 |
| Weight per piece (including packing) | 2.1 kg |
| Weight per piece (excluding packing) | 2.1 kg |
| 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 |
|--------------|----------------|

Computer data

| | |
|---------------------|-------------------------------------|
| Processor | Intel® Atom™ E3815 1.46 GHz |
| Operating system | Windows® Embedded Compact 7 |
| RAM | 2 GB DDR3 |
| Data storage system | Flash, 4 GB (integrated) |
| Slots | 1x SD |
| Extras | Integrated acoustic signal (buzzer) |

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 ² 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

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|------------|--------------------------------------|
| Interfaces | 4x USB Host 2.0 |
| 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) |
|-------------------------|-------------------|

Supply

| | |
|--------------------------|---------------|
| Power supply unit | 24 V DC ±20 % |
| Max. current consumption | 0.8 A |

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Real-time clock

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

Mounting

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

Material specifications

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|----------------------|-----------------------------|
| 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 | 330 mm / 225 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--------------------------------------------------------|

Installation dimensions

| | |
|-------------------------------------|-----------------------------------------------------------------------------------------------|
| Width / Height / Installation depth | 322 mm / 217 mm / 68 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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