

TP070SKW/100131003 S00069 - Touch panel



2400735

<https://www.phoenixcontact.com/us/products/2400735>

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.



Touch panel, 17.8 cm / 7"-TFT display (projective-capacitive (PCAP)), 800 x 480 pixel(s) (WVGA), 262144 colors, Arm® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2400735 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRCABA |
| GTIN | 4055626110097 |
| Weight per piece (including packing) | 1,200 g |
| Weight per piece (excluding packing) | 1,200 g |
| Country of origin | DE |

Technical data

Product properties

| | |
|--------------|----------------|
| Product type | Operator panel |
|--------------|----------------|

Computer data

| | |
|---------------------|-----------------------------|
| Processor | Arm® Cortex®-A8, 800 MHz |
| Operating system | Windows® Embedded Compact 7 |
| RAM | 512 MB LPDDR SDRAM |
| Data storage system | NAND-Flash, 256 MB |
| Slots | 1x SD |

Display

| | |
|-----------------------|---------------------------------|
| Display type | 17.8 cm / 7"-TFT |
| Screen resolution | 800 x 480 Pixel(s) (WVGA) |
| Touch technology | projective-capacitive (PCAP) |
| Display lighting type | LED |
| Brightness | 350 cd/m², 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 | 2x USB Host 2.0 |
| Network | 1 x Ethernet (10/100 Mbps), RJ45 |
| Bus system | without bus system |

System properties

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

Electrical properties

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

Supply

| | |
|-----------------------------|---------------|
| Power supply unit | 24 V DC ±20 % |
| Typical current consumption | 0.4 A |

Real-time clock

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

Mounting

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

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) | 5 % ... 95 % (Front) |
| | 20 % ... 85 % (On the rear) |
| Shock | 15g, according to IEC 60068-2-27 |
| Vibration (operation) | 1g, according to EN 60068-2-6 |

Dimensions

External dimensions

| | |
|------------------------|--|
| Width / Height / Depth | 211 mm / 150 mm / 6 mm (Dimensions of the front plate) |
|------------------------|--|

Installation dimensions

| | |
|-------------------------------------|-------------------------|
| Width / Height / Installation depth | 203 mm / 147 mm / 42 mm |
|-------------------------------------|-------------------------|

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% |
|-------------------------------------|----------------------------|
|-------------------------------------|----------------------------|

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