

BTP 2102W - Touch panel



1046667

<https://www.phoenixcontact.com/us/products/1046667>

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Touch panel with 25.7 cm / 10.1" TFT-display (analog resistive), 1024 x 600 pixel(s) (WSVGA), 16.7 million colors, Arm[®] Cortex[®]-A7, 528 MHz i.MX6 UL, 2x COM (RS-232/422/485), 1x USB 2.0, Typ A, 1x USB 2.0, Typ B, 1 x Ethernet (10/100 Mbps), RJ45, Windows[®] Embedded Compact 7 and user software: Visu+. (bus system: without)

Your advantages

- Visu+ RT integrated as standard in all BTP 2000 devices
- Connection to all relevant control systems, thanks to a large number of available drivers
- Developed for basic applications with attractive price/performance ratio
- 3 display sizes in 16:9 format

Commercial Data

| | |
|--------------------------------------|---------------------|
| Item number | 1046667 |
| Packing unit | 1 pc |
| Sales Key | DR17 |
| Product Key | DRCEBC |
| Catalog Page | Page 471 (C-6-2019) |
| GTIN | 4055626644103 |
| Weight per Piece (including packing) | 1,115 g |
| Weight per Piece (excluding packing) | 900 g |
| Customs tariff number | 84714100 |
| Country of origin | IN |

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Technical Data

Product properties

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

Computer data

| | |
|------------------|-----------------------------------|
| Processor | Arm® Cortex®-A7, 528 MHz i.MX6 UL |
| Operating system | Windows® Embedded Compact 7 |
| RAM | 512 MB DDR3 SDRAM |
| Data storage | eMMC, 4 GB |
| Slots | 1x SD |

Display

| | |
|-----------------------|--|
| Display type | 25.7 cm / 10.1" TFT |
| Screen resolution | 1024 x 600 Pixel(s) (WSVGA) |
| Touch technology | analog resistive |
| Display lighting type | LED |
| Brightness | 350 cd/m ² , typical (adjustable) |
| MTBF | 25000 h |
| Color spectrum | 16.7 million colors |
| Reading angle left | 65 ° |
| Reading angle right | 65 ° |
| Reading angle top | 45 ° |
| Reading angle bottom | 65 ° |

Software

| | |
|---------------|-------|
| User software | Visu+ |
|---------------|-------|

Interfaces

| | |
|------------|----------------------------------|
| Interfaces | 2x COM (RS-232/422/485) |
| | 1x USB 2.0, Typ A |
| | 1x USB 2.0, Typ B |
| Network | 1 x Ethernet (10/100 Mbps), RJ45 |
| Bus system | without |

Electrical properties

Supply

| | |
|-----------------------------|---------------|
| Power supply unit | 24 V DC ±15 % |
| Typical current consumption | 0.3 A |

Mounting

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

Material specifications

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| | |
|------------------|---------|
| Housing material | Plastic |
|------------------|---------|

Environmental and real-life conditions

Ambient conditions

| | |
|--|--------------------------------|
| Degree of protection | IP66 (front), IP20 (back) |
| Ambient temperature (operation) | 0 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 85 °C |
| Permissible humidity (operation) | 10 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (non-condensing) |
| Shock | DIN EN 60068-2-27 |
| Vibration (operation) | DIN EN 60068-2-6 |

Dimensions

External dimensions

| | |
|------------------------|--|
| Width / Height / Depth | 268 mm / 190 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--|

Installation dimensions

| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 256 mm / 178 mm / 33 mm (Installation cutout) |
|-------------------------------------|---|

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Approvals



EAC

Approval ID: RU C-DE.A*08.B01708



EAC

Approval ID: RU*-DE*35.B.00394/20



cUL Listed

Approval ID: FILE E 196811



UL Listed

Approval ID: FILE E 196811

cULus Listed

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27330201 |
| ECLASS-10.0.1 | 27330201 |
| ECLASS-11.0 | 27330201 |
| ECLASS-12.0 | 27330201 |
| ECLASS-13.0 | 27330201 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001412 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43211900 |
|-------------|----------|

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Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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Accessories

TOUCH PEN - Touch pen

2701379

<https://www.phoenixcontact.com/us/products/2701379>



Touch pen for analog-resistive HMI, silver coated. Delivery includes self-adhesive pen holder.

MSTB 2,5/ 3-ST-5,08 - PCB connector

1757022

<https://www.phoenixcontact.com/us/products/1757022>



PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/...-ST, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

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