

# TP 3156W/P - Touch panel



2403462

<https://www.phoenixcontact.com/pc/products/2403462>

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Touch panel with 39.6 cm/15.6" TFT display (projective-capacitive (PCAP)), 1366 x 768 pixel(s) (WXGA), 65536 colors, Arm<sup>®</sup> Cortex<sup>®</sup>-A8, 1000 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows<sup>®</sup> Embedded Compact 7 and user software: Visu+. (bus system: without)

## Your advantages

- Mobile system access with the Visu+ mobile app
- Robust and sturdy, thanks to glass front suitable for industrial use
- Fast response and display refresh, thanks to powerful processor
- Flexible connection to third-party systems by means of various drivers
- Integrated Visu+ visualization software

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2403462             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | DRCADC              |
| Catalog page                         | Page 473 (C-6-2019) |
| GTIN                                 | 4055626363561       |
| Weight per piece (including packing) | 4,000 g             |
| Weight per piece (excluding packing) | 4,000 g             |
| Customs tariff number                | 84714100            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

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

### Computer data

|                     |                             |
|---------------------|-----------------------------|
| Processor           | Arm® Cortex®-A8, 1000 MHz   |
| Operating system    | Windows® Embedded Compact 7 |
| RAM                 | 512 MB LPDDR RAM            |
| Data storage system | NAND-Flash, 1 GB            |
| Slots               | 1x SD                       |

### Display

|                       |  |
|-----------------------|--|
| Display type          | 39.6 cm/15.6" TFT                          |
| Screen resolution     | 1366 x 768 Pixel(s) (WXGA)                 |
| Touch technology      | projective-capacitive (PCAP)               |
| Display lighting type | LED  |
| Brightness            | 320 cd/m <sup>2</sup> typical (adjustable) |
| MTBF                  | 70000 h                                    |
| Color spectrum        | 65536 colors                               |
| Reading angle left    | 80.00 °                                    |
| Reading angle right   | 80.00 °                                    |
| Reading angle top     | 80.00 °                                    |
| Reading angle bottom  | 80.00 °                                    |

### Interfaces

|            |                                  |
|------------|----------------------------------|
| Interfaces | 2x USB Host 2.0                  |
| Network    | 1 x Ethernet (10/100 Mbps), RJ45 |
| Bus system | without                          |

### System properties

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

### System requirements

|                |               |
|----------------|---------------|
| Runtime system | Visu+ Runtime |
|----------------|---------------|

### Electrical properties

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

### Supply

|                             |                     |
|-----------------------------|---------------------|
| Supply voltage              | 24 V DC             |
| Supply voltage range        | 18 V DC ... 30 V DC |
| Power supply unit           | 24 V DC ±20 %       |
| Typical current consumption | 1 A                 |

### Real-time clock

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|                |                      |
|----------------|----------------------|
| Realtime clock | Yes (battery-backed) |
|----------------|----------------------|

## Supply

|                   |           |
|-------------------|-----------|
| Power consumption | typ. 24 W |
|-------------------|-----------|

## 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)<br>NEMA 4X |
| Ambient temperature (operation)          | 0 °C ... 50 °C                       |
| Ambient temperature (storage/transport)  | -25 °C ... 70 °C                     |
| Permissible humidity (operation)         | 20 % ... 85 % (non-condensing)       |
| Permissible humidity (storage/transport) | 20 % ... 85 % (non-condensing)       |
| Shock                                    | DIN EN 60068-2-27                    |
| Vibration (operation)                    | DIN EN 60068-2-6                     |

## Dimensions

### External dimensions

|                        |  |
|------------------------|--|
| Width / Height / Depth | 436 mm / 278 mm / 6 mm (Dimensions of the front plate) |
|------------------------|--|

### Installation dimensions

|                                     |   |
|-------------------------------------|---|
| Width / Height / Installation depth | 425 mm / 260 mm / 53 mm (Installation cutout) |
|-------------------------------------|---|

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PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

[info@phoenixcontact.com](mailto:info@phoenixcontact.com)