

# TP 3185W/P - Touch panel



2403862

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Touch panel with 47.0 cm / 18.5" 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	2403862
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCADC
Catalog page	Page 473 (C-6-2019)
GTIN	4055626363578
Weight per piece (including packing)	6,600 g
Weight per piece (excluding packing)	6,000 g
Customs tariff number	84714100
Country of origin	DE

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## Technical data

### Product properties

Product type	Operator panel
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### 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	47.0 cm / 18.5" TFT
Screen resolution	1366 x 768 Pixel(s) (WXGA)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	240 cd/m <sup>2</sup> , typical (adjustable)
MTBF	50000 h
Color spectrum	65536 colors
Reading angle left	85.00 °
Reading angle right	85.00 °
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+
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### System requirements

Runtime system	Visu+ Runtime
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### Electrical properties

Service life of battery	5 years (typical)
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### 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	1.2 A

### Real-time clock

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Realtime clock	Yes (battery-backed)
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## Supply

Power consumption	typ. 28.8 W
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## Mounting

Mounting type	Front mounting
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## 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
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	485 mm / 329 mm / 8 mm (Dimensions of the front plate)
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### Installation dimensions

Width / Height / Installation depth	475 mm / 311 mm / 53 mm (Installation cutout)
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