

# TP090SKW/200114031 S00069 - Touch panel



2401639

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Touch panel, 22.9 cm / 9"-TFT display (Projective-capacitive, four-touch control), 800 x 480 pixel(s) (WVGA), 16.7 million colors, Arm® Cortex®-A8, 1000 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

Similar figure

## Commercial data

Item number	2401639
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCADA
GTIN	4055626326764
Weight per piece (including packing)	1,300 g
Weight per piece (excluding packing)	2,614 g
Country of origin	DE

## 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	1 MB SRAM
	512 MB LPDDR RAM
Data storage system	NAND-Flash, 1 GB
Slots	1x SD

### Display

Display type	22.9 cm / 9"-TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	Projective-capacitive, four-touch control
Display lighting type	LED
Brightness	800 cd/m <sup>2</sup> , typical (adjustable)
MTBF	70000 h
Color spectrum	16.7 million colors
Reading angle left	85.00 °
Reading angle right	85.00 °
Reading angle top	85.00 °
Reading angle bottom	85.00 °

### 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
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### Electrical properties

Service life of battery	5 years (typical)
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### Supply

Power supply unit	24 V DC ±20 %
Typical current consumption	0.8 A

### Real-time clock

Realtime clock	Yes
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### Mounting

Mounting type	Front installation (open frame, optimized for 2 mm sheet)
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	thickness)
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## Material specifications

Material front plate	Glass, aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
	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	304 mm / 194 mm / 5 mm (Dimensions of the front plate)
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### Installation dimensions

Width / Height / Installation depth	268 mm / 158 mm / 57 mm (Mounting cutout, depth with bus if bus system present in the device)
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## Classifications

### UNSPSC

UNSPSC 21.0	43211900
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I

### 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.)	Lead(CAS: 7439-92-1)
SCIP	47ceb823-6731-418a-aba6-cb22a8f39c41