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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Touch panel - TP090STW/100130003 S00127 - 2401619

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Touch panel with 22.9 cm/9" TFT-Display (Analog resistive (polyester)), 800 x 480 Pixel (WVGA), 262144 colors, ARM<sup>®</sup> Cortex<sup>®</sup>-A8, 800 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows<sup>®</sup> Embedded Compact 7 and User software: IniNet Browser. (Bus system: without)

Similar figure

### Key Commercial Data

Packing unit	1 STK
Custom tariff number	84714100
Country of origin	Germany

### Technical data

#### Dimensions

External dimension, width	260 mm
External dimension, height	172 mm
External dimension, depth	5 mm
Note regarding external dimension	Dimensions of the front plate
Installation dimension, width	252 mm
Installation dimension, height	164 mm
Installation dimension, depth	54 mm
Note regarding installation dimension	Mounting cutout, depth with bus if bus system present in the device

#### Display

Display	22.9 cm/9" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Backlighting	LED
Display backlight MTBF	70000 h
Touch technology	Analog resistive (polyester)
Colors	262144 colors

#### Computer data

Processor	ARM <sup>®</sup> Cortex <sup>®</sup> -A8, 800 MHz
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# Touch panel - TP090STW/100130003 S00127 - 2401619

## Technical data

### Computer data

Operating systems	Windows® Embedded Compact 7
User software	IniNet Browser
RAM	512 MB LPDDR SDRAM
Mass storage	256 MB NAND-Flash
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB host 2.0
Bus system	without
Optional interfaces	SD slot
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

### General

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Front installation
Weight	1300 g

### 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 %
Vibration (operation)	1g, according to EN 60068-2-6
Shock	15g, according to IEC 60068-2-27

### Device supply

Power supply unit	24 V DC ±20 %
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### Standards and Regulations

Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

## Classifications

### eCl@ss

eCl@ss 5.1	27360102
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

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## Classifications

### ETIM

ETIM 5.0	EC001412
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## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

## Approval details

UL Listed <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 205795

cUL Listed <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 205795

cULus Listed 

## Accessories

### Accessories

#### Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



## Mounting material

## Touch panel - TP090STW/100130003 S00127 - 2401619

### Accessories

#### Mounting material - HMI SCB MOUNTING KIT 4 - 2701384



HMI mounting kit for installation on a front plate. The mounting kit includes 4 x mounting brackets, 4 x screw threads, and a hexagonal wrench.

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#### Mounting material - HMI SCB MOUNTING KIT 6 - 2701385



HMI mounting kit for installation on a front plate. The mounting kit includes 6 x mounting brackets, 6 x screw threads, and a hexagonal wrench.

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#### Mounting material - HMI SCB MOUNTING KIT 8 - 2701387



HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

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#### Mounting material - HMI WALL MOUNTING KIT - 2701380



HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.

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### Operating stylus

#### Touch pen - TOUCH PEN - 2701379



Touch pen for HMIs, silver coated. Delivery includes self-adhesive pen holder.

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## Touch panel - TP090STW/100130003 S00127 - 2401619

### Accessories

#### Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162



Program and configuration memory

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#### PCB plug

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 - 1847068



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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#### Protective foil

Protective foil - 9" DISPLAY PROTECTIVE FOIL - 2701375



Protective film set comprising 10 pieces of film for a 9" display. Including a squeegee to apply film and instructions.

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#### Storage medium

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB