

Touch panel - TP090ATW/107820000 S00002 - 2400769


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Touch panel with 22.9 cm/9" TFT-display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 65536 colors, Arm9™, 200 MHz, 2x USB host 2.0, 1x COM (RS-232/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows CE 5.0 and user software: TSvisRT. (bus system: without)



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 097626
GTIN	4055626097626

Technical data

Dimensions

Outer dimensions: width, height, depth	260 mm x 172 mm x 5 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	252 mm x 164 mm x 66 mm (Mounting cutout, depth with bus if bus system present in the device)

Display

Display type	22.9 cm/9" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	analog resistive (polyester)
Brightness	640 cd/m² typical (adjustable)
Backlighting	LED
Display backlight MTBF	70000 h
Colors	65536 colors
Reading angle left	85 °
Reading angle right	85 °
Reading angle top	85 °
Reading angle bottom	85 °

Computer data

Processor	Arm9™, 200 MHz
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Technical data

Computer data

Operating system	Windows® CE 5.0
User software	TSvisRT
RAM	64 MB SDRAM
	512 KB SRAM
Mass storage	NOR-Flash, 32 MB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB Host 2.0
	1x COM (RS-232/485)
Bus system	without
Optional interfaces	none
Realtime clock	Yes
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

Typical current consumption	0.7 A
Power supply unit	24 V DC ±20 %

Standards and Regulations

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 15;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Classifications

eCl@ss

eCl@ss 4.0	27330200
eCl@ss 4.1	27330200
eCl@ss 5.0	27330200
eCl@ss 5.1	27330200
eCl@ss 6.0	27242300
eCl@ss 7.0	27242302
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412
ETIM 6.0	EC001412
ETIM 7.0	EC001412

UNSPSC

UNSPSC 13.2	43211904
UNSPSC 19.0	43211904

Accessories

Accessories

Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



Mounting material

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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Accessories

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.

Mounting material - HMI WALL MOUNTING KIT - 2701380



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

Operating stylus

Touch pen - TOUCH PEN - 2701379



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

PCB plug

Printed-circuit board connector - MSTB 2,5/ 3-STF BD:1-3 - 1896381



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 3, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Storage medium

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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