

## Touch panel - WP 3090W - 2402634

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Touch panel with 22.9 cm/9" TFT-Display (Resistive industrial touch screen), 800 x 480 Pixel (WVGA), 262144 colors, ARM® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Debian GNU/Linux and User software: Midori Browser. (Bus system: without)

Similar figure

### Why buy this product

- For operational purposes only - the browser is the only interaction interface
- Flexible, thanks to open web standard and free choice of web server and visualization software
- No security updates are required for JAVA or Flash plug-ins thanks to HTML5
- HTML5-compatible browser integrated as standard in all devices
- Visualization of self-programmed JavaScript applications possible
- Display available in sizes from 14.5 cm (5.7") to 39.05 cm (15.4")
- Energy efficient due to LED backlighting
- Secure communication, thanks to SSL-encrypted data transmission

### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	2,020.000 g
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
Note regarding installation dimension	Installation cutout
Installation dimension, depth	54 mm

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## Technical data

### Display

Display	22.9 cm/9" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Backlighting	LED
Display backlight MTBF	40000 h
Touch technology	Resistive industrial touch screen
Colors	262144 colors

### Computer data

Processor	ARM® Cortex®-A8, 800 MHz
Operating systems	Debian GNU/Linux
User software	Midori Browser
RAM	512 MB RAM
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 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	DIN EN 60068-2-27

### Device supply

Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC

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## Technical data

### Device supply

Typical current consumption	typ. 0.6 A
Power consumption	typ. 14.4 W
Power supply unit	24 V DC ±20 %

### Standards and Regulations

Shock	DIN EN 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

## Classifications

### eCl@ss

eCl@ss 5.1	27242302
eCl@ss 6.0	27242302
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

### ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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### Approval details

UL Listed <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 205795
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cUL Listed <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 205795
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## Approvals



## Accessories

### Accessories

#### Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



## Mounting material

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.

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.

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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### Accessories

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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### 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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### Storage medium

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### Accessories

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB