Touch panel - WP 3120W - 2400255

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Touch panel with 30.7 cm/12.1" TFT-Display (Resistive industrial touch screen), 1280 x 800 Pixel (WXGA), 16.7 million 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)

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)	2,460.000 g
Custom tariff number	84714100
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

External dimension, width	330 mm
External dimension, height	225 mm
External dimension, depth	5 mm
Note regarding external dimension	Dimensions of the front plate
Installation dimension, width	322 mm
Installation dimension, height	217 mm

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Technical data

Dimensions

Note regarding installation dimension	Installation cutout
Installation dimension, depth	48 mm

Display

Display	30.7 cm/12.1" TFT
Screen resolution	1280 x 800 Pixel(s) (WXGA)
Backlighting	LED
Display backlight MTBF	50000 h
Touch technology	Resistive industrial touch screen
Colors	16.7 million 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	2200 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

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Technical data

Device supply

Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC
Typical current consumption	typ. 0.7 A
Power consumption	typ. 16.8 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 7.0	27242302
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412

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

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Approvals

cULus Listed

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 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.

Operating stylus

Touch pen - TOUCH PEN - 2701379



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

Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162



Program and configuration memory

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

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