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Rugged-Touch panel with 17.8 cm/7" TFT-display (Analog resistive (GFG)), 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 and user software: Visu+. (bus system: without)

Similar figure

#### Your advantages

- Display can be read in sunlight
- ☑ Resistant to UV and IR radiation
- Resistant to environmental influences, such as salt spray, termites, and chemicals
- Weatherproof thanks to IP67 protection



# **Key Commercial Data**

Packing unit	1 pc
GTIN	4 055626 382302
GTIN	4055626382302

#### Technical data

### Note

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

Outer dimensions: width, height, depth	234 mm x 174 mm x 5 mm (Dimensions of the front plate)
I installation dimensions, width beidnt debth	200 mm x 140 mm x 48 mm (Mounting cutout, depth with bus if bus system present in the device)

#### Display

Display	17.8 cm/7" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	Analog resistive (GFG)
Readability in sunlight	yes

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# Technical data

### Display

Brightness	400 cd/m², typical (adjustable)
Backlighting	LED
Display backlight MTBF	50000 h
Colors	16.7 million colors
Reading angle left	70 °
Reading angle right	70 °
Reading angle top	60 °
Reading angle bottom	60 °

### Computer data

Processor	Arm <sup>®</sup> Cortex <sup>®</sup> -A8, 1000 MHz
Operating system	Windows <sup>®</sup> Embedded Compact 7
User software	Visu+
RAM	512 MB LPDDR SDRAM
	1 MB SRAM
Mass storage	NAND-Flash, 1 GB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB Host 2.0
Bus system	without
Slots	1x SD
Realtime clock	Yes
Service life of battery	5 years (typical)

#### General

Extras	Integrated acoustic signal (buzzer)
Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Bolt fixing
Weight	1100 g

#### Ambient conditions

Degree of protection	IP67 (front), IP20 (back)
	NEMA 4X
Ambient temperature (operation)	-32 °C 70 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Permissible humidity (operation)	5 % 95 % (Front)
	20 % 85 % (On the rear)
Vibration (operation)	1g, according to EN 60068-2-6
Shock	15g, according to IEC 60068-2-27

## Device supply

Typical current consumption	0.4 A
Power supply unit	24 V DC ±20 %



# Technical data

### Standards and Regulations

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

### **Environmental Product Compliance**

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 15;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

# Classifications

## eCl@ss

	,
eCl@ss 10.0.1	27330201
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 18.0	43211904
UNSPSC 19.0	43211904
UNSPSC 20.0	43211904
UNSPSC 21.0	43211904

# **Approvals**

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed



# Approvals

Ex Approvals

UL Listed / cUL Listed / cULus Listed

#### 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



#### Operating stylus

Touch pen - TOUCH PEN - 2701379



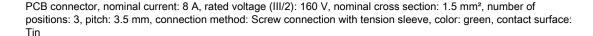
Touch pen for analog-resistive HMIs, silver coated. Delivery includes self-adhesive pen holder.

PCB plug



### Accessories

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 BD:1-3 - 1751312





#### Storage medium

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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