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Rugged-Touch panel, 17.8 cm / 7"-TFT display (Analog resistive (GFG)), 800 x 480 pixel(s) (WVGA), 65536 colors, Arm® Cortex®-A8, 1000 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Visu+, without bus system.

Commercial data

Item number	2401650
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR17
Product key	DRCACC
GTIN	4055626337494
Weight per piece (including packing)	1,100 g
Weight per piece (excluding packing)	1,100 g
Customs tariff number	84714100
Country of origin	DE

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Product properties

Product type	Operator panel
Application	Rugged

Computer data

Processor	Arm® Cortex®-A8, 1000 MHz
Operating system	Windows® Embedded Compact 7
RAM	512 MB LPDDR SDRAM
Data storage system	NAND-Flash, 256 MB
Slots	1x SD

Display

Display type	17.8 cm / 7"-TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	Analog resistive (GFG)
Display lighting type	LED
Brightness	400 cd/m², typical (adjustable)
MTBF	50000 h
Color spectrum	65536 colors
Reading angle left	70.00 °
Reading angle right	70.00 °
Reading angle top	60.00 °
Reading angle bottom	60.00 °

Interfaces

Interfaces	2x USB Host 2.0
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without bus system

System properties

User software	Visu+
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Electrical properties

Service life of battery	5 years (typical)
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Supply

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

Real-time clock

Realtime clock	Yes
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Mounting

Mounting type	Front mounting
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Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (front), IP20 (back) NEMA 4X
Ambient temperature (operation)	-32 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	3000 m
Permissible humidity (operation)	5 % ... 95 % (Front) 20 % ... 85 % (On the rear)
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Dimensions

External dimensions	
Width / Height / Depth	208 mm / 148 mm / 5 mm (Dimensions of the front plate)

Installation dimensions	
Width / Height / Installation depth	200 mm / 140 mm / 51 mm (Mounting cutout, depth with bus if bus system present in the device)

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-15
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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