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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, 1x COM (RS-232), 1x COM (RS-232/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, TSvisIT, DualCAN.

Commercial data

Item number	2401281
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCACE
GTIN	4055626109763
Weight per piece (including packing)	1,100 g
Weight per piece (excluding packing)	1,100 g
Country of origin	DE

Technical data

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
	1x COM (RS-232)
	1x COM (RS-232/485)
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	DualCAN

System properties

User software	TSvisIT
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Electrical properties

Service life of battery	5 years (typical)
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Supply

Typical current consumption	0.5 A
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Real-time clock

Realtime clock	Yes
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Supply

Power supply unit	24 V DC ±20 %
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Mounting

Mounting type	Bolt fixing
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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	IP67 (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	234 mm / 174 mm / 5 mm (Dimensions of the front plate)
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Installation dimensions

Width / Height / Installation depth	200 mm / 140 mm / 77 mm (Mounting cutout, depth with bus if bus system present in the device)
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