

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Rugged-Touch panel, 30.7 cm / 12.1"-TFT display (Analog resistive (GFG)), 800 x 600 pixel(s) (SVGA), 16.7 million colors, Arm® Cortex®-A8, 1000 MHz, 2x USB 2.0, 1x COM (RS-232), 1x COM (RS-422/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, TSvisIT, DualCAN.

## Commercial data

Item number	2401631
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCACE
GTIN	4055626318479
Weight per piece (including packing)	2,750 g
Weight per piece (excluding packing)	2,750 g
Country of origin	DE

## Technical data

### Notes

#### Utilization restriction

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

### 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
	1 MB SRAM
Data storage system	NAND-Flash, 1 GB
Slots	1x SD
Optional keys	without
Extras	Integrated acoustic signal (buzzer)

#### Display

Display type	30.7 cm / 12.1"-TFT
Screen resolution	800 x 600 Pixel(s) (SVGA)
Touch technology	Analog resistive (GFG)
Display lighting type	LED
Brightness	360 cd/m <sup>2</sup> typical (adjustable)
MTBF	50000 h
Color spectrum	16.7 million colors
Reading angle left	80.00 °
Reading angle right	80.00 °
Reading angle top	65.00 °
Reading angle bottom	75.00 °

### Interfaces

Interfaces	2x USB 2.0
	1x COM (RS-232)
	1x COM (RS-422/485)
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	DualCAN

### System properties

User software	TSvisIT
---------------	---------

### Electrical properties

Service life of battery	5 years (typical)
<b>Supply</b>	
Power supply unit	24 V DC ±20 %
Typical current consumption	0.6 A
<b>Real-time clock</b>	
Realtime clock	Yes

### Mounting

Mounting type	Bolt fixing
---------------	-------------

### Material specifications

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

### Environmental and real-life conditions

<b>Ambient conditions</b>	
Degree of protection	IP67 (front), IP20 (back) NEMA 4X
Ambient temperature (operation)	-30 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Permissible humidity (operation)	20 % ... 85 % (On the rear) 5 % ... 95 % (Front)
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

### Dimensions

<b>External dimensions</b>	
Width / Height / Depth	359 mm / 280 mm / 5 mm (Dimensions of the front plate)
<b>Installation dimensions</b>	
Width / Height / Installation depth	323 mm / 244 mm / 58 mm (Mounting cutout, depth with bus if bus system present in the device)