

TPG121SGS/210610021 S00071 - Touch panel



2401631

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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
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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 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/m² 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
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Electrical properties

Service life of battery	5 years (typical)
Supply	
Power supply unit	24 V DC $\pm 20\%$
Typical current consumption	0.6 A
Real-time clock	
Realtime clock	Yes

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)	-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

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