

# Touch panel - TP21AS/732000 S00001 - 2401025

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Touch panel with 14.5 cm/5.7" TFT active-display (analog resistive (polyester)), 320 x 240 pixel(s) (QVGA), 65536 colors, Arm9™, 200 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows CE 5.0 and user software: TSvisRT. (bus system: MPI)



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626096995

## 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	203 mm x 147 mm x 5 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	195 mm x 139 mm x 66 mm (Mounting cutout, depth with bus if bus system present in the device)

### Display

Display	14.5 cm/5.7" TFT active
Screen resolution	320 x 240 Pixel(s) (QVGA)
Touch technology	analog resistive (polyester)
Brightness	400 cd/m <sup>2</sup> , typical (adjustable)
Backlighting	LED
Display backlight MTBF	40000 h
Colors	65536 colors
Reading angle left	75 °
Reading angle right	75 °
Reading angle top	60 °

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## Technical data

### Display

Reading angle bottom	75 °
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### Computer data

Processor	Arm9™, 200 MHz
Operating system	Windows® CE 5.0
User software	TSvisRT
RAM	64 MB SDRAM
	512 KB SRAM
Mass storage	NOR-Flash, 32 MB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB host 2.0
Bus system	MPI
Optional interfaces	none
Realtime clock	Yes
Service life of battery	5 years (typical)

### General

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Front installation
Weight	680 g

### Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
	NEMA 4X
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	20 % ... 85 %
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 %

### Standards and Regulations

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

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 15;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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## Approvals

### Approvals

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#### Approvals




UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 205795
cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 205795
cULus Listed			

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