

DATA SHEET

Control Panel CP600 2nd Generation

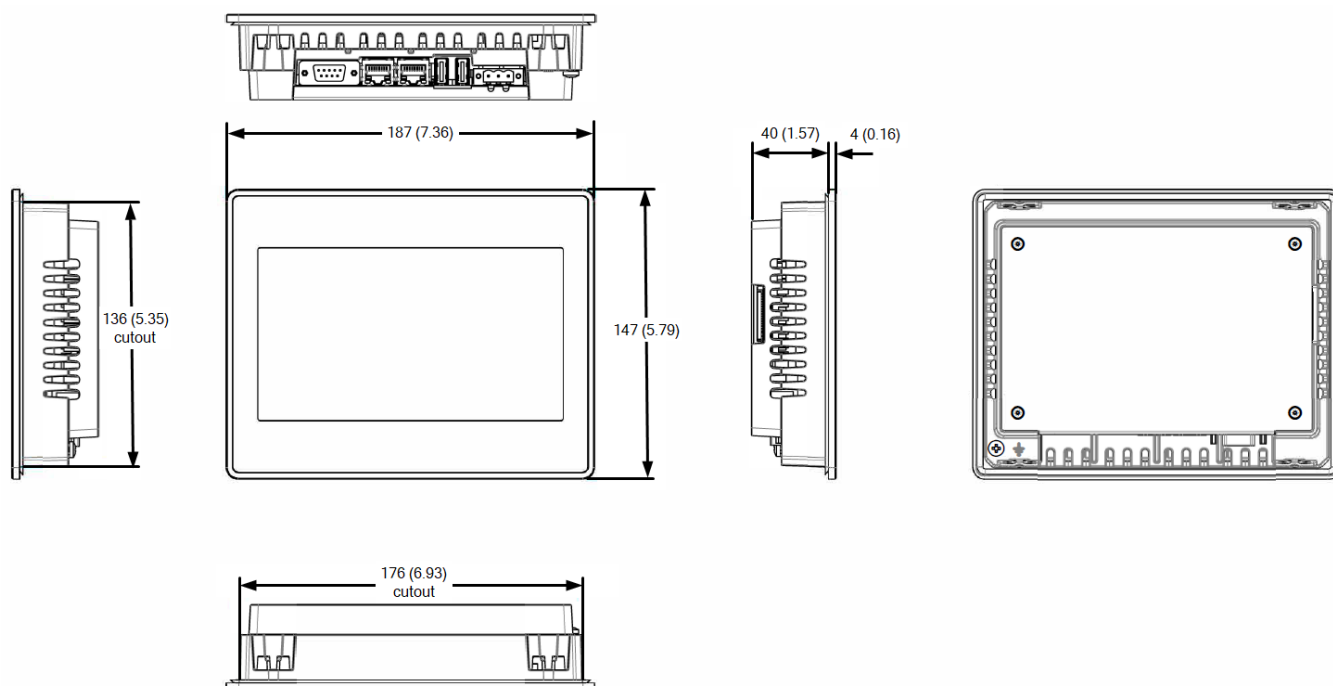
CP6407



1 Ordering Data

Part No.	Description	Product Life Cycle Phase
1SAP540710R0001	CP6407, control panel, TFT graphical display, single-touch screen, 7", 800 x 480 pixel, for PB610 applications and visualization of AC500 V3 web server	Active

2 Dimensions



The dimensions are given in mm and in brackets in inch.

3 Technical Data

3.1 Product Data

Parameter		Value
Display		
	Size diameter	7"
	Resolution	800 x 480 pixels
	Dimensions (L x H)	155,50 mm x 88 mm
	Type	TFT-LCD
	Number of colors	65536
	Brightness	400 cd/m ²
Backlight		
	Type	LED
	Lifetime, typical	40 000 h at 25 °C
Touch screen		
	Type	Single-touch, resistive touch screen, 4 wires
	Material	glass, covered by plastic film
	Design	
	CP6407	Black passepartout

System resources		
	Processor type	ARM Cortex-A8, 1 GHz
	Operating system	Linux RT
	Application memory	For HMI projects of up to 150 MB
	RAM	512 MB
	Flash	4 GB
	Card slot	SD card
Data backup		Battery
	Battery type	3 V, 50 mAh, Lithium, rechargeable, not user-replaceable
	Data buffering time at 25 °C	Ca. 3 months at 25 °C
Real-time clock:		
	Accuracy	< 100 ppm at 25 °C
	With battery back-up	Yes (battery)

3.2 Interfaces

Parameter	Value
Network interfaces	
Ethernet port 0	10/100 Mbit
Ethernet port 1	10/100 Mbit
Serial interfaces	
COM1	RS-232/-485/-422 software configurable
COM1 connection	D-sub
USB interfaces	
USB port 1	Host interface V2.0, max. 500 mA
USB port 2	Host interface V2.0, max. 500 mA

3.3 Power Supply

Parameter	Value
Supply voltage 24 V DC	
Voltage	24 V DC (18...32 V DC)
Protection against reverse polarity	yes
Connection at the control panel	Removable 3-pin terminal block with screw connection
Current consumption from 24 V DC	0.35 A

4 System Data CP600 2nd Generation

4.1 Environmental Conditions

Parameter		Value	
Allowed interruptions of power supply			
Voltage dips, short interruptions and voltage variations immunity test			
	Port: DC mains	0 V DC, duration 10 ms, 20 repetitions	EN 61000-4-29
Temperature			
	Operating	-20...+60 °C	
	Storage	-20...+70 °C	
	Transport	-20...+70 °C	
Humidity		5...85 % relative humidity, without condensation	
Air pressure		> 800 hPa / < 2000 m	
Ingress protection			
	Front	IP66	
	Rear	IP20	
Mechanical resistance			
	Vibration	5 ... 9 Hz, 7 mm ^{D-P} ; 9 ... 150 Hz, 1 g	EN 60068-2-6
	Shock	± 50 g, 11 ms, 6 pulses per axis, 3 positive pulses and 3 negative pulses	EN 60068-2-27

4.2 Electromagnetic Compatibility

Parameter		Value	
	Radiated disturbance test	Class A	EN 55011
	Electrostatic discharge immunity test	8 kV (air electrostatic discharge) 4 kV (contact electrostatic discharge)	EN 61000-4-2
	Radiated, radio-frequency, electromagnetic field immunity test	80 MHz ... 1 GHz, 10 V/m 1.4 GHz ... 6 GHz, 3 V/m	EN 61000-4-3
	Burst immunity test	±2 kV DC power port ±1 kV signal line	EN 61000-4-4
	Surge immunity test	±1 kV DC power port (line to earth) ±0,5 kV DC power port (line to line) ±1 kV signal line (line to earth)	EN 61000-4-5
	Immunity to conducted disturbances induced by radiofrequency field	0.15...80 MHz, 10 V	EN 61000-4-6

5 Mechanical Data

Parameter		Value
Housing		
	Front frame material	Aluminium
	Front frame color	aluminium
	Reverse side material	Aluminium
	Reverse side color	Aluminium
	Faceplate dimensions (L x H)	187 mm x 147 mm
	Faceplate depth	4 mm
	Housing depth	40 mm
Weight		1.0 kg
Mounting		
	Cutout dimensions (L x H)	176 mm x 136 mm
	Mounting type	Panel mounting in cutout
	Mounting variants	Landscape and portrait mode
Minimum Compass Safe Distances		
	of standard compass CSD	350 mm (13.77")
	of steering compass CSD2	250 mm (9.84")

5.1 Approvals and Certifications

Information on approvals and certificates can be found in the corresponding chapter of the Main catalog, PLC Automation

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