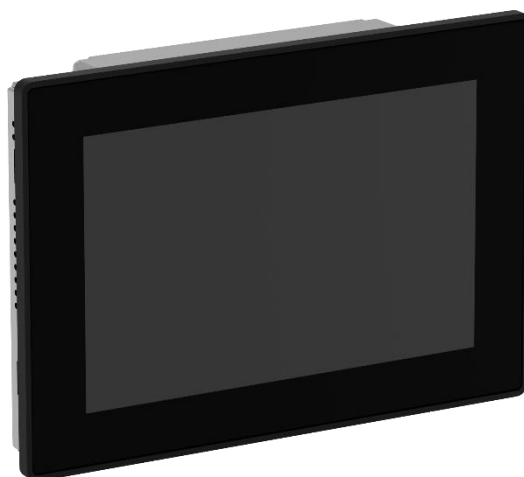


DATA SHEET

Control Panel CP600-Pro

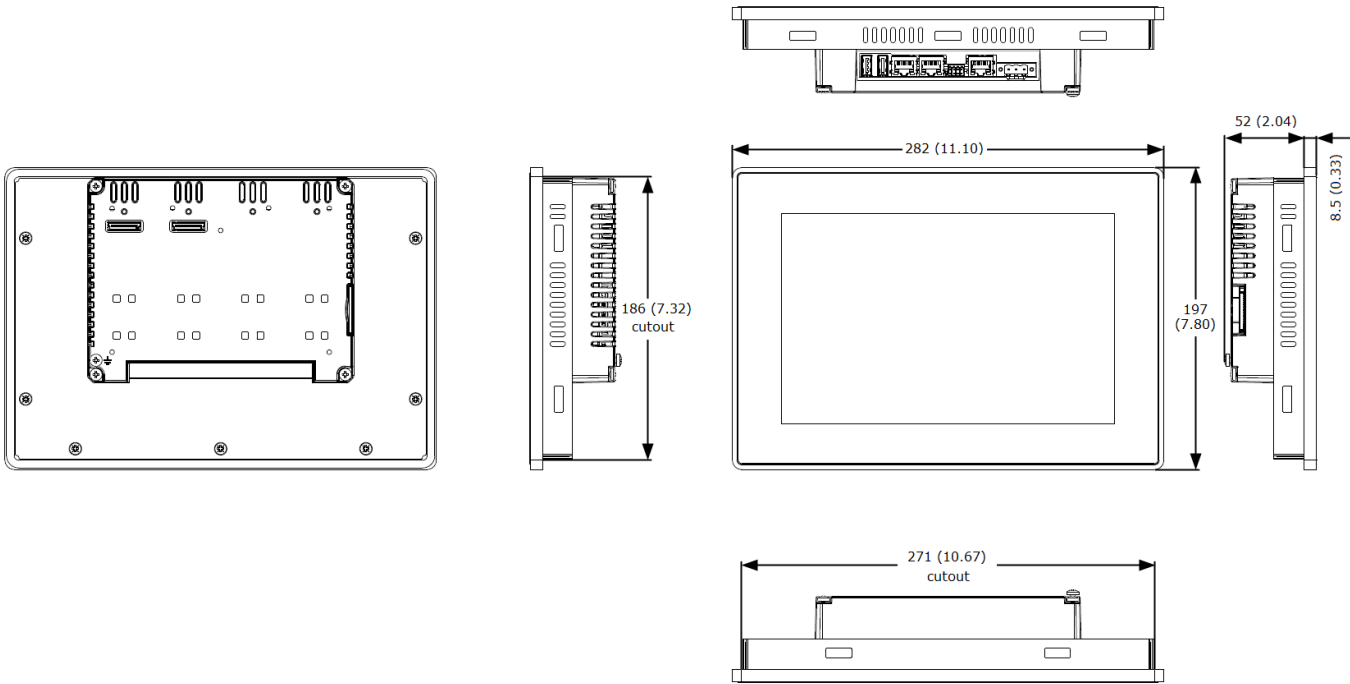
CP6610



1 Ordering Data

Part No.	Description	Product Life Cycle Phase
1SAP561010R0001	CP6610, control panel, TFT graphical display, multi-touch screen, 10.1", 1280 x 800 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	10.1"
	Resolution	1280 x 800 pixels
	Dimensions (L x H)	217,98 mm x 136,60 mm
	Type	TFT-LCD
	Number of colors	16 Mio
	Brightness	500 cd/m²
Backlight		
	Type	LED
	Lifetime, typical	40 000 h at 25 °C
Touch screen		
	Type	Multi-touch, 2-points gestures, protected capacitive touch screen (PCAP)
	Material	Real glass, black passepartout
System resources		
	Processor type	ARM Cortex-A9 dual core, 800 MHz
	Operating system	Linux RT

	Application memory	For HMI projects of up to 240 MB
	RAM	1 GB
	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. three months
Real-time clock:		
	Accuracy	< 100 ppm at 25 °C
	With battery back-up	yes

3.2 Interfaces

Parameter		Value
Network interfaces		
	Ethernet port 0	10/100/1000 Mbit
	Ethernet port 1	10/100 Mbit
	Ethernet port 2	10/100 Mbit
Serial interfaces		
	COM1	RS-232/-485/-422 software configurable
	COM1 connection	Removable 8-pin miniature connector with push-in spring connection
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 (18...32 V)
	Protection against reverse polarity	yes
	Connection at the control panel	Removable 3-pin terminal block with screw connection
	Current consumption from 24 V DC	1.0 A

4 System Data CP600-Pro

4.1 Environmental Conditions

Parameter		Value	
Allowed interruptions of power supply			
Voltage dips, short interruptions and voltage variations immunity test			
	Port: AC mains; Phase: 0°...180°; Test executed on the 230 VAC side of the power supply, Level:		EN 61000-4-11
	0 % duration:	1 cycle and 250 cycles (50 Hz); 1 cycle and 300 cycles (60 Hz);	
	40 % duration:	10 cycles (50 Hz); 12 cycles (60 Hz);	
	70 % duration	25 cycles (50 Hz); 30 cycles (60 Hz);	
	Port: DC mains; Test executed on the 24 VDC of the EUT, Level:		EN 61000-4-29
	0 % duration	10 ms 20 spaces by 1 s	
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; 9 ... 150 Hz, 1 g ^{p-p}	EN 60068-2-6
	Shock	± 50 g, 11 ms, 3 pulses per axis	EN 60068-2-27

4.2 Electromagnetic Compatibility

Parameter		Value	
	Radiated disturbance test	Class A	CISPR 22 CISPR 16-2-3
	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 ... 2 GHz, 3 V/m 2 GHz ... 2.7 GHz, 1 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	±0,5 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
	Power frequency magnetic field immunity test	Enclosure, 50/60 Hz, 30 A/m	EN 61000-4-8

5 Mechanical Data

Parameter		Value
Housing		
	Front frame material	Aluminium, black
	Reverse side material	Aluminium
	Faceplate dimensions (L x H)	282 mm x 197 mm
	Faceplate depth	8.5 mm
	Housing depth	52 mm
Weight		1.7 kg
Mounting		
	Cutout dimensions (L x H)	271 mm x 186 mm
	Mounting type	Panel mounting in cutout
	Mounting variants	Landscape and portrait mode
Minimum Compass Safe Distances		
	of standard compass	1150 mm (45.28")
	of steering compass	750 mm (29.53")

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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