

CP600 series

Technical data

Type	CP620	CP630	CP635, CP635-B	CP651	CP661	CP665	CP676
Application	control panels for PB610 Panel Builder 600 applications						
Type	CP620-WEB	CP630-WEB	CP635-WEB	CP651-WEB	CP661-WEB	CP665-WEB	CP676-WEB
Application	control panels for visualization of AC500 V2 web server						
Display							
Exact display size diameter	4.3" widescreen	5.7"	7" widescreen	10.4"	12.1"	13.3" widescreen	15"
Resolution	480 x 272 pixels	320 x 240 pixels	800 x 480 pixels	800 x 600 pixels	800 x 600 pixels	1280 x 800 pixels	1024 x 768 pixels
Display type, colors	TFT-LCD, 65536 colors						
Touch screen material	glass covered by plastic film						
Touch screen type	single-touch, analog resistive, 4 wires						
Backlight type, life	LED, 40 000 h typ at 25 °C						
Brightness	150 cd/m ²	200 cd/m ²	300 cd/m ²				
System resources							
Processor type	ARM Cortex A8: 600 MHz			ARM Cortex A8: 1 GHz			
Operating system, version	Microsoft Windows CE 6.0 Core						
Application memory	for HMI projects of up to 30 MB in total			for HMI projects of up to 60 MB in total			
Interfaces							
Ethernet ports, number, type	2 - 10/100 Mbit (with integrated switch function)						
USB Host ports number, type	1 - ver. 2.0	2 - 1 ver. 2.0, 1 ver. 2.0 and ver. 1.1					
Serial ports number, type	1 - RS-232/-485/-422 software configurable						
Card slot number, type	1 - SD card slot						
Power supply							
Power supply voltage nominal, tolerance	24 V DC, 18...32 V DC						
Current consumption at nominal voltage	0.4 A	0.7 A	0.7 A	1.0 A	1.05 A	1.15 A	1.4 A
Backup power type	Rechargeable Lithium battery, not user-replaceable						
Enclosure							
Degree of protection front, rear	IP66, IP20						
Front frame material	Zamak			Aluminium			
Reverse side material	Zamak	Aluminium					
Weight	0.95 kg	1.15 kg	1.1 kg	2.1 kg	2.8 kg	2.6 kg	3.8 kg
Faceplate dimensions (L x H)	147 x 107 mm	187 x 147 mm		287 x 232 mm	336 x 267 mm		392 x 307 mm
Faceplate depth	4 mm						
Enclosure depth	52 mm	47 mm		56 mm			60 mm
Cutout dimensions (L x H)	136 x 96 mm	176 x 136 mm		276 x 221 mm	326 x 256 mm		381 x 296 mm
Environmental conditions							
Operating temperature range	0...50 °C						
Operating humidity range	5...85 % relative humidity, non-condensing						
Storage temperature range	-20...+70 °C						
Storage humidity range	5...85 % relative humidity, non-condensing						
Approvals	See detailed page 238 or www.abb.com/plc						