

Technical Specifications

This section provides technical specifications for the PanelView 5310 terminals.

Technical Specifications - PanelView 5310 Terminals

Attribute	6-in. Touch		7-in. Wide Touch		9-in. Wide Touch		10.4-in. Touch		12.1-in. Wide Touch		
	2713P-T6CD1		2713P-T7WD1		2713P-T9WD1		2713P-T10CD1		2713P-T12WD1		
	2713P-T6CD1-B ⁽¹⁾ 2713P-T6CD1-K ⁽²⁾		2713P-T7WD1-B ⁽¹⁾ 2713P-T7WD1-K ⁽²⁾		2713P-T9WD1-B ⁽¹⁾ 2713P-T9WD1-K ⁽²⁾		2713P-T10CD1-B ⁽¹⁾ 2713P-T10CD1-K ⁽²⁾		2713P-T12WD1-B ⁽¹⁾ 2713P-T12WD1-K ⁽²⁾		
Operator input	Touch										
Conformal coated	Yes										
Display type	Color TFT LCD (thin-film-transistor, liquid-crystal display)										
Display size, diagonal	5.7-in. screen		7-in. widescreen		9-in. widescreen		10.4-in. screen		12.1-in. widescreen		
View area, W x H	115 x 86 mm (4.5 x 3.4 in.)		152 x 91 mm (6.0 x 3.6 in.)		196 x 118 mm (7.7 x 4.6 in.)		211 x 158 mm (8.3 x 6.2 in.)		261 x 163 mm (10.3 x 6.4 in.)		
Display resolution/ aspect ratio	640 x 480 VGA/4:3		800 x 480 WVGA/5:3		800 x 480 WVGA/5:3		800 x 600 SVGA/4:3		1280 x 800 WXGA/16:10		
Color depth	24-bit color graphics (16.7 million colors)										
Brightness, typical	300 cd/m ² (Nits)										
Backlight	• Light-emitting diode, non-replaceable • Life: 50,000 h min at 40 °C (104 °F) to half-brightness										
Backlight power consumption, typical	2.4 W		3 W		3.5 W		4 W		5 W		
Touch screen	• Analog resistive • Actuation rating: 1 million presses • Operating force: <100 grams										
Battery (real-time clock backup)	• Accuracy: +/-2 minutes per month. • Battery life: 4 years min at 25 °C (77 °F) • Replacement: CR2032 lithium coin cell										
Memory RAM User available	1 GB RAM 1 GB nonvolatile storage for projects										
Secure Digital (SD) card slot	One SD card slot for external storage; supports cat. no. 1784-SDx cards. See Secure Digital (SD) Cards on page 6 .										
USB ports Host Device	One USB high-speed 2.0 host port (type A) supports removable drives for external storage. One high-speed 2.0 device port (type B) supports connection to host computer (available in a future release).										
Ethernet port	One 10/100Base-T, Auto MDI/MDI-X Ethernet port for controller communication.										
Status indicators	STS (status, green), ERR (error, red)										
Software	Studio 5000 environment provides single portal to View Designer and Logix Designer applications.										
Electrical											
USB host port (type A)	0.5 A at 5V DC										
Input voltage	24V DC nom (18...30V DC)										
Power consumption, max	13 W				14 W		15 W		16 W		
Power consumption, typical	9 W				11 W		12 W		12 W		
Power dissipation	31 BTU/hr.				38 BTU/hr.		41 BTU/hr.		41 BTU/hr.		

Technical Specifications - PanelView 5310 Terminals (Continued)

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	2713P-T6CD1 2713P-T6CD1-B ⁽¹⁾ 2713P-T6CD1-K ⁽²⁾	2713P-T7WD1 2713P-T7WD1-B ⁽¹⁾ 2713P-T7WD1-K ⁽²⁾	2713P-T9WD1 2713P-T9WD1-B ⁽¹⁾ 2713P-T9WD1-K ⁽²⁾	2713P-T10CD1 2713P-T10CD1-B ⁽¹⁾ 2713P-T10CD1-K ⁽²⁾	2713P-T12WD1 2713P-T12WD1-B ⁽¹⁾ 2713P-T12WD1-K ⁽²⁾
Inrush current, max	15 A				
Power supply	Supports safety extra low voltage and protected extra low voltage 24V DC supplies ⁽³⁾⁽⁴⁾				
Mechanical					
Weight, approx	0.79 kg (1.7 lb)	2.0 kg (4.4 lb)	2.41 kg (5.31 lb)	3.35 kg (7.39 lb)	3.65 kg (8.0 lb)
Terminal dimensions, approx	See PanelView 5310 Terminal and Cutout Dimensions on this page.				
Cutout dimensions, approx	See PanelView 5310 Terminal and Cutout Dimensions on this page.				

(1) Add -B to the end of a catalog number to order a terminal without the Allen-Bradley® logo and product identification, for example, 2713P-T7WD1-B.

(2) Add -K to the end of a catalog number to order a terminal with conformal coating, for example, 2713P-T6CD1-K.

(3) DC-powered terminals support safety extra low voltage (SELV) and protective extra-low voltage (protected extra low voltage) 24V DC power supplies, such as catalog numbers 1606-XLP95E, 1606-XLP100E, and 2711P-RSACDIN.

(4) Where PELV is defined in IEC 61131-2.

Terminal Dimensions

This section provides dimensions for the PanelView 5310 terminals. The 9-inch widescreen terminal is shown for illustrative purposes. All other terminal sizes look similar.

PanelView 5310 Terminal Dimensions - (9-in. widescreen terminal shown)