

Technical Specifications

Table 7 provides technical specifications for PanelView Plus 6 - 400 and 600 terminals.

Table 7 - Technical Specifications - PanelView Plus 6 - 400 and 600 Terminals

Attribute	400 Grayscale 2711P-K4M5A8, 2711P-K4M5D8, 2711P-K4M20A8, 2711P-K4M20D8	400 Color 2711P-K4C5A8, 2711P-B4C5A8, 2711P-K4C5D8, 2711P-B4C5D8, 2711P-K4C20A8, 2711P-B4C20A8, 2711P-K4C20D8, 2711P-B4C20D8	600 Grayscale 2711P-K6M5A8, 2711P-T6M5A8, 2711P-B6M5A8, 2711P-K6M5D8, 2711P-T6M5D8, 2711P-B6M5D8, 2711P-K6M20A8, 2711P-T6M20A8, 2711P-B6M20A8, 2711P-K6M20D8, 2711P-T6M20D8, 2711P-B6M20D8	600 Color ⁽¹⁾ 2711P-K6C5Ax, 2711P-T6C5Ax, 2711P-B6C5Ax, 2711P-K6C5Dx, 2711P-T6C5Dx, 2711P-B6C5Dx, 2711P-K6C20Ax, 2711P-T6C20Ax, 2711P-B6C20Ax, 2711P-K6C20Dx, 2711P-T6C20Dx, 2711P-B6C20Dx
Operator input	Keypad	Keypad or keypad/touch	Keypad, touch, or keypad/touch	Keypad, touch, or keypad/touch
Display type	Grayscale TFT LCD	Color active-matrix TFT	Grayscale TFT LCD	Color active-matrix TFT
Display size	3.5 in.	3.5 in.	5.7 in.	
Display area (WxH)	70 x 53 mm (2.8 x 2.3 in.)	70 x 53 mm (2.8 x 2.3 in.)	115 x 86 mm (4.5 x 3.4 in.)	115 x 86 mm (4.5 x 3.4 in.)
Resolution	320 x 240, 16-levels gray	320 x 240, 18-bit color graphics	320 x 240, 16-levels gray	320 x 240, 18-bit color graphics
Brightness	320 cd/m ² (Nits)	320 cd/m ² (Nits)	440 cd/m ² (Nits)	440 cd/m ² (Nits)
Backlight	White LED, not replaceable; 25,000 hours min at 25 °C (77 °F)		White LED, not replaceable; 25,000 hours min at 25 °C (77 °F)	
Touch screen	—	<ul style="list-style-type: none"> Analog resistive, 4-wire Actuation: 1 million presses Operating force: 10...110 g 	<ul style="list-style-type: none"> Analog resistive, 4-wire Actuation: 1 million presses Operating force: 10...110 g 	
Keypad description	<ul style="list-style-type: none"> Stainless-steel membrane Numeric, navigation, and function keys Actuation: 1 million presses; operating force: 340 g 		<ul style="list-style-type: none"> Stainless-steel membrane Numeric, navigation, and function keys Actuation: 1 million presses; operating force: 340 g 	
Keypad function keys	8 function keys (F1...F8)		10 function keys (F1...F10)	
Battery (real-time clock)	Battery-backed clock timestamps critical data, accuracy is ±2 minutes per month Battery life: 4 year min at 25 °C (77 °F) Field-replaceable: cat. no. 2711P-RY2032 or equivalent CR2032 coin-cell lithium battery			
System memory	256 MB RAM, 512 MB nonvolatile memory (approx. 73 MB free user memory)			
External storage	Secure Digital (SD) card, cat. no.1784-SDx, supported by hot-swappable SD card slot USB flash drive that is supported by high-speed, hot-swappable, 2.0 USB host port			
Operating system	Windows CE 6.0 operating system with or without extended features and Microsoft Office file viewers			Windows CE 6.0 operating system with extended features/file viewers
Software	FactoryTalk View Machine Edition software, version 6.10 or later; FactoryTalk ViewPoint software is not supported on the 400 and 600 terminals.			
Communication ports	<ul style="list-style-type: none"> RS-232, 1 USB host, 1 USB device port (catalog numbers with the number 5, for example, 2711P-B4C5D8) Ethernet (10/100 Mbps, Auto-MDI/MDI-X), RS-232, 1 USB host, 1 USB device port (catalog numbers with the number 20, for example, 2711P-B4C20D8) 			
Input voltage, DC	18...30V DC (24V DC nom); Requires the use of a Class 2 or safety extra low voltage (SELV) or protected extra-low voltage (PELV) power supply			
Power consumption, DC	15 W max (0.6 A at 24V DC), 9 W typical (0.375 A at 24V DC)			
Recommended external power supply	Cat. no. 1606-XLE120E, SELV or PELV isolated power supply for non-isolated 400 and 600 DC-powered terminals; 100...240V AC, 250VA max			
Input voltage, AC	100...240V AC, 50...60 Hz			
Power consumption, AC	35VA max, 20VA typical			
Weight, approx	Keypad: 473 g (1.04 lb) Touch: —		Keypad: 728 g (1.60 lb) Touch: 594 g (1.31 lb)	
Dimensions (HxWxD), approx	Without AC module Keypad: 152 x 185 x 60 mm (6.0 x 7.28 x 2.35in.) With AC module 152 x 185 x 90 mm (6.0 x 7.28 x 3.54 in.) Touch:— —		Keypad: 167 x 266 x 68 mm (6.58 x 10.47 x 2.68 in.) 167 x 266 x 98 mm (6.58 x 10.47 x 3.86 in.) Touch: 152 x 185 x 68 mm (6.0 x 7.28 x 2.68 in.) 152 x 185 x 98 mm (6.0 x 7.28 x 3.86 in.)	
Cutout dimensions (HxW)	Keypad: 123 x 156 mm (4.86 x 6.15 in.) Touch: —		Keypad: 142 x 241 mm (5.61 x 9.50 in.) Touch:123 x 156 mm (4.86 x 6.15 in.)	

(1) Replace x in the catalog number with an 8 or 9. For catalog numbers ending in 9, for example, 2711P-T6C20D9, the Windows CE operating system includes extended features and Microsoft Office file viewers; catalog numbers ending in 8, for example, cat. no. 2711P-T6C20D8, do not support extended features and file viewers.

PanelView Plus 6 Compact Terminals

The PanelView Plus 6 Compact 400, 600, and 1000 terminals provide a solution for mid-size applications that require fewer displays and alarms in a FactoryTalk View ME application. These terminals are a subset of the PanelView Plus 6 family with selective hardware and software functionality. They are the preferred HMI solution for many of the CompactLogix™ controllers.



These features are the major features of the PanelView Plus 6 Compact terminals:

- Preferred HMI for CompactLogix controllers
- RS-232 serial port, Ethernet port, USB port, DC power input, and Secure Digital (SD) card slot
- Serial and Ethernet communication only
- Connection to a single controller by using either RSLinx® Enterprise software, version 5.51 or later, or KEPServer software
- 25 displays and 200 alarm messages that are supported in the FactoryTalk View Compact Machine Edition application and runtime software
- Fixed hardware configurations without the addition or replacement of modular components

For a complete listing of catalog number selections, refer to the Visualization Solutions Selection Guide, publication [VIEW-SG001](#).

Table 12 - Technical Specifications - 1606-XLE120E Power Supply

Attribute	1606-XLE120E
Input Specifications	
Supply voltage, nom	120V AC, 50...60 Hz, 2.05 A max 230V AC, 50...60 Hz, 1.23 A max
Voltage range	100...240V AC
Inrush current	10 A at 120V/230V AC, 55 °C (131 °F)
Interruption	Output voltage stays within specification when input drops out for 50 ms, 100V AC with max load
Output Specifications	
Output voltage, nom	+24V DC safety extra low voltage (SELV)
Voltage range	24...28V DC
Inrush current	25 A typical, 5 ms at V in 240V AC, 55 °C (131 °F)
Minimum load	50 mA
Overvoltage protection	Output internally limited to 39V DC. Cycle power to re-energize.
Overcurrent protection	N/A
Leakage current	0.6 mA rms max at rated input and output
Isolation voltage	2500V AC for 5 seconds

Table 13 - Dimensions - 1606-XLE120E Power Supply

Attribute	1606-XLE120E
Mounting	<ul style="list-style-type: none"> • Horizontal on a DIN rail • Wall or panel mount with cat. no. 1794-NM1 panel mounting kit
Terminal screw torque	0.8 N•m (7 lb•in)
Dimensions (HxWxD), approx	124 x 32 x 117 mm (4.88 x 1.26 x 4.61 in.)