PanelView Plus 6 - 700…1500 Terminals

The PanelView Plus 6 - 700…1500 terminals use modular components that allow for flexible configuration, installation, and upgrades. Factory-assembled terminals, with a display module and logic module, are available as one catalog number or as separate components for field installation. Optional communication modules can be ordered for additional network communication.

The field-replaceable 6.5, 10.4, 12.1, and 15.1-in. flat-panel color displays come with keypad, touch screen, or keypad/touch-screen input. Other display options are available to meet more stringent environmental conditions:

- High-bright display module for outdoor applications
- Conformal-coated displays
- Marine-certified displays and logic modules
- Displays with built-in antiglare overlays

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

The high-performance logic module runs the Windows CE 6.0 operating system, that allows you to run HMI applications with the ability to also access the desktop. For users with more complex application requirements, the platform and logic module can be ordered with optional, extended features and file viewers.

Table 3 - Logic Module Features

Features	Description
High memory capacity	512 MB RAM, 512 MB nonvolatile memory (approx. 79 MB free user memory)
Power input	AC or DC
Network interface	For optional Ethernet, DH+™, DH-485, or ControlNet communication module
Communication ports	Ethernet, RS-232 serial
USB ports	2 USB host ports for connecting a USB mouse, keyboard, printer, and USB flash drives that are hot swappable
Secure Digital (SD) card slot	Hot-swappable card slot supports 1784-SD*x* and 1784-SDHC*x* SD cards for transferring files, upgrading firmware, or logging data
Operating system	All terminals run the Windows CE 6.0 operating system (OS) providing OS functionality that is needed for most users needs: • FTP server • VNC client/server • PDF reader • Active X controls • Third-party device support Additional functionality is available by ordering terminals with optional, extended features: • Internet Explorer web browser • Remote desktop connection • Media player • Microsoft® file viewers for PowerPoint, Excel, and Word • WordPad text editor
FactoryTalk View software	• FactoryTalk View Machine Edition Station runtime, version 6.0 or later, is preloaded and activated on each terminal • Single license support for FactoryTalk ViewPoint software, version 1.2 or later, gives remote users access to a terminal's displays via standard web browser • HMI applications are developed with FactoryTalk View Studio for Machine Edition software, which is purchased separately
Reset and default switches	Provide easy access to diagnostic and repair operations

Technical Specifications

Table 4 provides technical specifications for PanelView Plus 6 - 700…1500 terminals.

Table 4 - Technical Specifications - PanelView Plus 6 - 700…1500 Terminals

Attribute	700 Color[2] 2711P-K7C4Dx, 2711P-T7C4Dx, 2711P-B7C4Dx, 2711P-K7C4Ax, 2711P-T7C4Ax, 2711P-B7C4Ax	1000 Color[2] 2711P-K10C4Dx, 2711P-T10C4Dx, 2711P-B10C4Dx, 2711P-K10C4Ax, 2711P-T10C4Ax, 2711P-B10C4Ax	1250 Color[2] 2711P-K12C4Dx, 2711P-T12C4Dx, 2711P-B12C4Dx, 2711P-K12C4Ax, 2711P-T12C4Ax, 2711P-B12C4Ax	1500 Color[2] 2711P-K15C4Dx, 2711P-T15C4Dx, 2711P-B15C4Dx, 2711P-K15C4Ax, 2711P-T15C4Ax, 2711P-B15C4Ax
Operator input	Keypad, Touch, or Key/Touch	Keypad, Touch, or Key/Touch	Keypad, Touch, or Key/Touch	Keypad, Touch, or Key/Touch
Display type	Color active-matrix TFT	Color active-matrix TFT	Color active-matrix TFT	Color active-matrix TFT
Display size	6.5 in.	10.4 in.	12.1 in.	15 in.
Display area (WxH)	132 x 99 mm (5.2 x 3.9 in.)	211 x 158 mm (8.3 x 6.2 in.)	246 x 184 mm (9.7 x 7.2 in.)	304 x 228 mm (12.0 x 9.0 in.)
Resolution	640 x 480, 18-bit color graphics		800 x 600, 18-bit color graphics	1024 x 768, 18-bit color graphics
Luminance	300 cd/m^2 (Nits)		300 cd/m^2 (Nits)[3]	
Backlight	CCFL, 50,000 hours min at 25 ° C (77 °F), field replaceable Backlight for 1250 high-bright display module is not replaceable			
Touch screen	8-wire analog resistive Actuation: 1 million presses; operating force: 10…110 g			
Keypad description	Stainless-steel membrane Numeric, navigation, and function keys Actuation: 1 million presses; operating force: 340 g			
Keypad function keys	22 function keys F1…F10 and K1…K12	32 function keys F1…F16 and K1…K16	40 function keys F1…F20 and K1…K20	40 function keys F1…F20 and K1…K20
Battery (real-time clock)	Battery-backed clock timestamps critical data, accuracy is ±2 minutes per month Battery life: 4 year min at 25 ℃ (77 °F) Field-replaceable: cat. no. 2711P-RY2032 or equivalent CR2032 coin-cell lithium battery			
Memory	512 MB RAM, 512 MB nonvolatile memory (approx. 79 MB free user memory)			
External storage	Secure Digital (SD) card, cat. no.1784-SDx and 1784-SDHCx, supported by hot-swappable SD card slot USB flash drives that is supported by high-speed, hot-swappable, 2.0 USB host ports			
Operating system	Windows CE 6.0 operating system with or without extended features and Microsoft Office file viewers			
Software	FactoryTalk View Machine Edition software, version 6.0 or later FactoryTalk ViewPoint software, version 1.2 or later			
Communication ports	Ethernet (10/100 Mbps, Auto-MDI/MDI-X), RS-232, (2) USB host, Network interface for optional Ethernet, DH+/DH-485, or ControlNet (scheduled or unscheduled) communication module			
Input voltage, DC	18…32V DC (24V DC nom)			
Power consumption, DC	70 W max (2.9 A at 24V DC), 39 W typical (1.6 A at 24V DC)			
Recommended external power supply	Cat. No. 1606-XLE120E, safety extra low voltage (SELV) or protected extra-low voltage (PELV) power supply for 700…1500 DC-powered terminals; 100…240V AC, 250VA max			
Input voltage, AC	100…240V AC, 50…60 Hz			
Power consumption, AC	160VA max, 65VA typical			
Weight, approx[1]	Keypad: 1.8 kg (4.1 lb) Touch: 1.7 kg (3.7 lb)	Keypad: 2.8 kg (6.2 lb) Touch:2.5 kg (5.6 lb)	Keypad: 3.4 kg (7.5 lb) Touch:3.2 kg (7.0 lb)	Keypad: 4.5 kg (9.9 lb) Touch:4.2 kg (9.2 lb)
Dimensions (HxWxD), approx [1]	Keypad: 193 x 290 x 55 mm 7.58 x 11.40 x 2.18 in. Touch:179 x 246 x 55 mm 7.04 x 9.68 x 2.18 in.	Keypad: 248 x 399 x 55 mm 9.77 x 15.72 x 2.18 in. Touch:248 x 329 x 55 mm 9.77 x 12.97 x 2.18 in.	Keypad: 282 x 416 x 55 mm 11.12 x 16.36 x 2.18 in. Touch: 282 x 363 x 55 mm 11.12 x 14.30 x 2.18 in.	Keypad:330 x 469 x 65 mm 12.97 x 18.46 x 2.55 in. Touch: 330 x 416 x 65 mm 12.97 x 16.37 x 2.55 in.
Cutout dimensions (HxWxD)	Keypad: 167 x 264 mm 6.57 x 10.39 in. Touch:154 x 220 mm 6.08 x 8.67 in.	Keypad: 224 x 375 mm 8.8 x 14.75 in. Touch:224 x 305 mm 8.8 x 12.0 in.	Keypad: 257 x 390 mm 10.11 x 15.35 in. Touch:257 x 338 mm 10.11 x 13.29 in.	Keypad: 305 x 419 mm 12.0 x 16.5 in. Touch:305 x 391 mm 12.0 x 15.4 in.

(1) Weights and dimensions do not include the communication module. Add 95 g (0.21 lb) to the weight for a communication module.
(2) Replace x in catalog number with an 8 or 9. For catalog numbers ending in 9, the Windows CE operating system includes extended features and file viewers; catalog numbers ending in 8 do not support these features.
(3) The 1250 high-bright display module, cat. no. 2711P-RDT12H, for outdoor operations, has a luminance of 1000 cd/m^2 (nit). The backlight is not replaceable.