

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ALLEN-BRADLEY PANELVIEW

2711P-K10C4D1

PANELVIEW PLUS OPERATOR TERMINAL

Used with the applicable PanelView Plus 1000 terminals configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Rockwell Automation PanelView Plus 6 Specifications, publication 2711P-TD005I-EN-P

PanelView Plus 6 Specifications

Catalog Numbers 2711P-K7C4Dx, 2711P-T7C4Dx, 2711P-B7C4Dx, 2711P-K7C4Ax, 2711P-T7C4Ax, 2711P-B7C4Ax, 2711P-K10C4Dx, 2711P-T10C4Dx, 2711P-B10C4Dx, 2711P-K10C4Ax, 2711P-T10C4Ax, 2711P-B10C4Ax, 2711P-K12C4Dx, 2711P-T12C4Dx, 2711P-B12C4Dx, 2711P-K12C4Ax, 2711P-T12C4Ax, 2711P-B12C4Ax, 2711P-K15C4Dx, 2711P-T15C4Dx, 2711P-B15C4Dx, 2711P-K15C4Ax, 2711P-T15C4Ax, 2711P-B15C4Ax, 2711P-K4M5A8, 2711P-K4M5D8, 2711P-K4M20A8, 2711P-K4M20D8, 2711P-K4C5A8, 2711P-B4C5A8, 2711P-K4C5D8, 2711P-B4C5D8, 2711P-K4C20A8, 2711P-B4C20A8, 2711P-K4C20D8, 2711P-B4C20D8, 2711P-K6M5A8, 2711P-T6M5A8, 2711P-B6M5A8, 2711P-K6M5D8, 2711P-T6M5D8, 2711P-B6M5D8, 2711P-K6M20A8, 2711P-T6M20A8, 2711P-B6M20A8, 2711P-K6M20D8, 2711P-T6M20D8, 2711P-B6M20D8, 2711P-K6C5Ax, 2711P-T6C5Ax, 2711P-B6C5Ax, 2711P-K6C5Dx, 2711P-T6C5Dx, 2711P-B6C5Dx, 2711P-K6C20Ax, 2711P-T6C20Ax, 2711P-B6C20Ax, 2711P-K6C20Dx, 2711P-T6C20Dx, 2711P-B6C20Dx, 2711PC-K4M20D8, 2711PC-B4C20D8, 2711PC-T6M20D8, 2711PC-T6C20D8, 2711PC-T10C4D8

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PanelView™ Plus 6 terminals are used for applications with a need to monitor, control, and display information graphically, allowing operators to quickly understand the status of their application. All PanelView Plus 6 applications are programmed with FactoryTalk® View Studio for Machine Edition (ME) software and have FactoryTalk View ME Station (runtime) software that is installed on each terminal.

This family provides a broad range of rugged terminals that provide these features:

- Premier integration with the Integrated Architecture™ platform
- Scalable 4-inch to 15-inch displays with touch screen, keypad, or both for input
- Common development software
- Real-time monitoring of a terminal's displays via a web browser (7-inch to 15-inch displays)

Use this document along with the Visualization Solutions Selection Guide, publication [VIEW-SG001](#), to make decisions on the visualization solutions that are best suited for your system requirements.

LISTEN.
THINK.
SOLVE.

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 °C (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-RD12H, for outdoor operations, has a luminance of 1000 cd/m² (nit). The backlight is not replaceable.

Terminal Dimensions

[Table 5](#) provides overall dimensions and cutout dimensions for the PanelView Plus 6 - 700...1500 terminals. The 1000 touch or keypad terminal is shown for reference. Other models look similar.

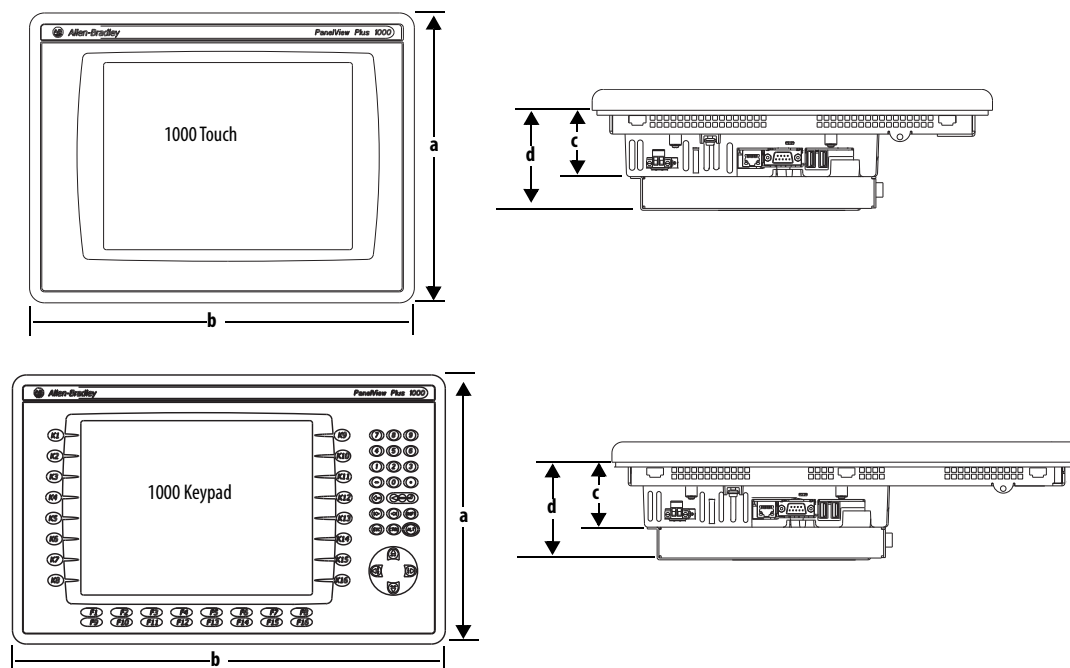


Table 5 - PanelView Plus 6 - 700...1500 Terminal Dimensions

Terminal	Input Type	Height (a) mm (in.)	Width (b) mm (in.)	Depth (c) Display to Logic Module mm (in.)	Depth (d) Display to Communication Module mm (in.)	Cutout Height mm (in.)	Cutout Width mm (in.)
700	Keypad or keypad/touch	193 (7.58)	290 (11.40)	55 (2.18)	83 (3.27)	167 (6.59)	264 (10.39)
	Touch	179 (7.04)	246 (9.68)			154 (6.08)	220 (8.67)
1000	Keypad or keypad/touch	248 (9.77)	399 (15.72)			224 (8.8)	375 (14.75)
	Touch	248 (9.77)	329 (12.97)			224 (8.8)	305 (12.00)
1250	Keypad or keypad/touch	282 (11.12)	416 (16.36)	74 (2.9)	101 (3.99)	257 (10.11)	390 (15.35)
	Touch	282 (11.12)	363 (14.30)			257 (10.11)	338 (13.29)
	Touch (high-bright display)	282 (11.12)	363 (14.30)			257 (10.11)	338 (13.29)
1500	Keypad or keypad/touch	330 (12.97)	469 (18.46)	65 (2.55)	93 (3.65)	305 (12.00)	419 (16.50)
	Touch	330 (12.97)	416 (16.37)			305 (12.00)	391 (15.40)