

PanelView Plus 7 Performance Terminals

Catalog Numbers 2711P-xxx22x9P, 2711P-xxx22x9P-B, 2711P-xxx22x9PK, 2711P-Txx22D9P-BSHK, 2711P-T12W22D9P-BMxxx

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The PanelView™ Plus 7 Performance terminals are operator interface devices. They monitor and control devices that are attached to ControlLogix® and CompactLogix™ 5370 controllers on an EtherNet/IP™ network. Animated graphic and text displays provide operators a view into the operating state of a machine or process. Operators interact with the control system by using touch screen or keypad input.

The PanelView Plus 7 Performance terminals include these features and capabilities:

- FactoryTalk® View Machine Edition software provides a familiar environment for creating HMI applications
- Connection to ControlLogix or CompactLogix 5370 controllers
- Ethernet communication that can support Device Level Ring (DLR), linear, or star network topologies
- Conformal coating available for all DC power, touch-only terminals, and the 15-in. DC power, keypad and touch terminal
- Stainless steel, hygienic, brandless, DC-power, and conformal coating are available for the touch-only units in the 9-in. wide screen, 10-in., 12-in. wide screen, and 15-in. terminal sizes
- On-machine mounting available for the 12.1-in. wide screen, touch-only terminals



Summary of Changes

This publication contains new and updated information as indicated in the following table.

Topic	Page
Added 10-in. and 15-in. stainless steel catalog numbers and information	Throughout
Corrected the Corrosive Atmosphere rating information in the Environmental Specifications table	3
Updated the CE (LVD), KDD, and RoHS information in the Certifications table	4

Catalog Numbers

This publication is applicable to these currently available PanelView Plus 7 Performance terminals.

PanelView Plus 7 Performance	2711P-T7C22D9P, 2711P-B7C22D9P, 2711P-T9W22D9P, 2711P-T10C22D9P, 2711P-B10C22D9P, 2711P-T12W22D9P, 2711P-T15C22D9P, 2711P-B15C22D9P, 2711P-T19C22D9P
PanelView Plus 7 Performance Conformal Coated	2711P-T7C22D9PK, 2711P-T9W22D9PK, 2711P-T10C22D9PK, 2711P-T12W22D9PK, 2711P-T15C22D9PK, 2711P-T19C22D9PK, 2711P-B15C22D9PK
PanelView Plus 7 Performance Brandless	2711P-T7C22D9P-B, 2711P-B7C22D9P-B, 2711P-T9W22D9P-B, 2711P-T10C22D9P-B, 2711P-B10C22D9P-B, 2711P-T12W22D9P-B, 2711P-T15C22D9P-B, 2711P-B15C22D9P-B, 2711P-T19C22D9P-B
PanelView Plus 7 Performance Stainless Steel	2711P-T9W22D9P-BSHK, 2711P-T10C22D9P-BSHK, 2711P-T12W22D9P-BSHK, 2711P-T15C22D9P-BSHK
ArmorView Plus 7	2711P-T12W22D9P-BM001, 2711P-T12W22D9P-BM002, 2711P-T12W22D9P-BM003, 2711P-T12W22D9P-BM004, 2711P-T12W22D9P-BM005, 2711P-T12W22D9P-BM006, 2711P-T12W22D9P-BM007, 2711P-T12W22D9P-BM008, 2711P-T12W22D9P-BM009, 2711P-T12W22D9P-BM010, 2711P-T12W22D9P-BM011, 2711P-T12W22D9P-BM012, 2711P-T12W22D9P-BM013, 2711P-T12W22D9P-BM014, 2711P-T12W22D9P-BM015, 2711P-T12W22D9P-BM016

This publication is also applicable to these discontinued PanelView Plus 7 Performance terminals.

PanelView Plus 7 Performance	2711P-T7C22A9P, 2711P-B7C22A9P, 2711P-T9W22A9P, 2711P-T10C22A9P, 2711P-B10C22A9P, 2711P-T12W22A9P, 2711P-T15C22A9P, 2711P-B15C22A9P, 2711P-T19C22A9P
PanelView Plus 7 Performance Brandless	2711P-T7C22A9P-B, 2711P-B7C22A9P-B, 2711P-T9W22A9P-B, 2711P-T10C22A9P-B, 2711P-B10C22A9P-B, 2711P-T12W22A9P-B, 2711P-T15C22A9P-B, 2711P-B15C22A9P-B, 2711P-T19C22A9P-B

PanelView Plus 7 Performance terminal catalog numbers ending in:

- ‘K’ are conformal coated for extended protection in harsh, corrosive environments
- ‘-B’ exclude the Allen-Bradley brand marking. You can put your own brand labels on these terminals
- ‘BSHK’ are conformal coated, brandless, and feature a stainless-steel 316 bezel

Technical Specifications - PanelView Plus 7 Performance 10-in and 12-in Terminals

Attribute	10.4-in. Touch		10.4-in. Touch with Keypad		12.1-in. Touch	
	2711P-T10C22D9P, 2711P-T10C22D9P-B, 2711P-T10C22D9PK	2711P-T10C22A9P, 2711P-T10C22A9P-B	2711P-B10C22D9P, 2711P-B10C22D9P-B	2711P-B10C22A9P, 2711P-B10C22A9P-B	2711P-T12W22D9P, 2711P-T12W22D9P-B, 2711P-T12W22D9PK	2711P-T12W22A9P, 2711P-T12W22A9P-B
Operator input	Touch		Touch with keypad		Touch	
Display type	TFT Color					
Display size, diagonal	10.4-in.				12.1-in. wide screen	
Viewing area (W x H)	211 x 158 mm (8.3 x 6.2 in.)				261 x 163 mm (10.3 x 6.4 in.)	
Display resolution	(Series A) 800 x 600 VGA, 18-bit color graphics				(Series A) 1280 x 800 WXGA, 18-bit color graphics	
	(Series B) 800 x 600 VGA, 24-bit color graphics				(Series B) 1280 x 800 WXGA, 24-bit color graphics	
Aspect ratio	4:3				16:10	
Brightness, typical	300 cd/m2 (Nits) or more					
Backlight life	White light-emitting diode, solid-state Life: 50,000 h min at 40 °C (104 °F) to half-brightness, backlight is not replaceable					
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: • System • User	(Series A) 512 MB RAM and 512 MB storage 80 MB, approx, nonvolatile storage for applications					
	(Series B) 4 GB RAM and 19.87 GB storage 2 GB, approx, nonvolatile storage for applications					
Secure Digital (SD) card slot	One SD card slot for external storage; supports cat. no. 1784-SDx and 1784-SDHCx cards					
USB ports: • Host • Device	(Series A) Two USB high-speed 2.0 host ports (type A) support removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release					
	(Series B) One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release					
Operating system	(Series A) Windows CE 6.0 with Extended Features and Microsoft Office Viewers (includes FTP, VNC client server, ActiveX controls, PDF reader, third-party device support) (Series B) Windows 10 IoT Core					
Ethernet ports	Two 10/100Base-T, Auto MDI/MDIX Ethernet ports that support Device Level Ring (DLR), linear, or star network topologies					
Software	FactoryTalk View Studio for Machine Edition, FactoryTalk ViewPoint, version 2.6 or later					
Input voltage	24V DC nom (18...30V DC)	100...240V AC	24V DC nom (18...30V DC)	100...240V AC	24V DC nom (18...30V DC)	100...240V AC
Power consumption	(Series A) 50 W max (2.1 A at 24V DC) (Series B) 32 W max	105VA	(Series A) 50 W max (2.1 A at 24V DC) (Series B) 32 W max	105VA	(Series A) 50 W max (2.1 A at 24V DC) (Series B) 33 W max	105VA
Power supply	Supports (SELV) and (PELV) 24V DC supplies ⁽¹⁾	—	Supports (SELV) and (PELV) 24V DC supplies ⁽¹⁾	—	Supports (SELV) and (PELV) 24V DC supplies ⁽¹⁾	—
Weight, approx	2.28 kg (5.03 lb)		2.58 kg (5.69 lb)		2.54 kg (5.60 lb)	
Dimensions, approx (H x W x D)	252 x 297 x 69.6 mm (9.92 x 11.69 x 2.74 in.)		252 x 385 x 69.6 mm (9.92 x 15.16 x 2.74 in.)		240 x 340 x 69.6 mm (9.69 x 13.39 x 2.74 in.)	
Cutout dimensions, approx (H x W)	224 x 269 mm (8.82 x 10.59 in.)		224 x 335 mm (8.82 x 13.19 in.)		218 x 312 mm (8.58 x 12.28 in.)	

(1) DC-powered terminals support safety extra low voltage (SELV) and protective extra low voltage (PELV) 24V DC power supplies such as cat. nos. 1606-XLP95E, 1606-XLP100E, 2711P-RSACDIN.

PanelView Plus 7 Performance Stainless Steel Terminals

Technical Specifications - PanelView Plus 7 Performance Stainless Steel Terminals

Attribute	9-in. Touch 2711P-T9W22D9P-BSHK	10.4-in. Touch 2711P-T10C22D9P-BSHK	12.1-in. Touch 2711P-T12W22D9P-BSHK	15-in. Touch 2711P-T15C22D9P-BSHK
Operator input	Touch			
Display type	TFT Color			
Display size, diagonal	9-in. wide screen	10.4-in. screen	12.1-in. wide screen	15-in. screen
Viewing area (W x H)	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.)	304 x 228 mm (12.0 x 9.0 in.)
Display resolution	(Series B) 800 x 480 WVGA, 18-bit color graphics	(Series C) 800 x 600 SVGA, 24-bit color graphics	(Series B) 1280 x 800 WXGA, 18-bit color graphics	(Series C) 1024 x 768 XGA, 24-bit color graphics
	(Series C) 800 x 480 WVGA, 24-bit color graphics		(Series C) 1280 x 800 WXGA, 24-bit color graphics	
Aspect ratio	5:3	4:3	16:10	4:3
Brightness, typical	300 cd/m2 (nits) or more			
Backlight life	White light-emitting diode, solid-state Life: 50,000 h min at 40 °C (104 °F) to half-brightness, backlight is not replaceable			
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: • System • User	(Series B) 512 MB RAM and 512 MB storage 80 MB, approx, nonvolatile storage for applications	(Series C) 4 GB RAM and 19.87 GB storage 2 GB, approx, nonvolatile storage for applications	(Series B) 512 MB RAM and 512 MB storage 80 MB, approx, nonvolatile storage for applications	(Series C) 4 GB RAM and 19.87 GB storage 2 GB, approx, nonvolatile storage for applications
	(Series C) 4 GB RAM and 19.87 GB storage 2 GB, approx, nonvolatile storage for applications		(Series C) 4 GB RAM and 19.87 GB storage 2 GB, approx, nonvolatile storage for applications	
Secure Digital (SD) card slot	One SD card slot for external storage; supports cat. no. 1784-SDx and 1784-SDHCx cards			
USB ports: • Host • Device	(Series B) Two USB high-speed 2.0 host ports (type A) support removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release	(Series C) One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release	(Series B) Two USB high-speed 2.0 host ports (type A) support removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release	(Series C) One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release
	(Series C) One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release		(Series C) One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage One high-speed 2.0 device port (type B) that will be functional in a future release	
Operating system	(Series B) Windows CE 6.0 with Extended Features and Microsoft Office Viewers (includes FTP, VNC client server, ActiveX controls, PDF reader, third-party device support) (Series C) Windows 10 IoT Core	(Series C) Windows 10 IoT Core	(Series B) Windows CE 6.0 with Extended Features and Microsoft Office Viewers (includes FTP, VNC client server, ActiveX controls, PDF reader, third-party device support) (Series C) Windows 10 IoT Core	(Series C) Windows 10 IoT Core
Ethernet ports	Two 10/100Base-T, Auto MDI/MDIX Ethernet ports that support Device Level Ring (DLR), linear, or star network topologies			
Software	FactoryTalk View Studio for Machine Edition, FactoryTalk ViewPoint, version 2.6 or later			
Input voltage	24V DC nom (18...30V DC)			
Power consumption	(Series B) 50 W max (2.1 A at 24V DC)	(Series C) 32 W max	(Series B) 50 W max (2.1 A at 24V DC)	(Series C) 39 W max
	(Series C) 30 W max		(Series C) 33 W max	
Power supply	Supports (SELV) and (PELV) 24V DC supplies ⁽¹⁾			
Stainless-steel bezel	316 stainless steel with hygienic No. 4 finish			
Silicone gasket	Gasket material is compliant with FDA 21 CFR 177.2600			
Weight, approx	2.1 kg (4.6 lb)	3.25 kg (7.2 lbs)	3.7 kg (8.2 lb)	4.7 kg (10.4 lbs)
Dimensions, approx (H x W x D)	190 x 280 x 69.6 mm (7.48 x 11.02 x 2.74 in.)	252 x 297 x 69.6 mm (9.92 x 11.69 x 2.74 in.)	240 x 340 x 69.6 mm (9.69 x 13.39 x 2.74 in.)	318 x 381 x 69.6 mm 12.52 x 15.00 x 2.74 in
Cutout dimensions, approx (H x W)	162 x 252 mm (6.38 x 9.92 in.)	224 x 269 mm (8.82 x 10.59 in.)	218 x 312 mm (8.58 x 12.28 in.)	290 x 353 mm 11.42 x 13.90 in

(1) DC-powered terminals support safety extra low voltage (SELV) and protective extra low voltage (PELV) 24V DC power supplies such as cat. nos. 1606-XLP95E, 1606-XLP100E, 2711P-RSACDIN.

Accessories

This section describes accessories for the PanelView Plus 7 Performance and ArmorView Plus 7 terminals.

Protective Overlays

Cat. No. ⁽¹⁾	Display Size	Operator Input		Quantity
		Touch	Key and Touch	
2711P-RGT7SP	6.5-in.	•		3
2711P-RGB7P			•	
2711P-RGT9SP	9-in. (wide)	•		
2711P-RGT10SP	10.4-in.	•		
2711P-RGB10P			•	
2711P-RGT12SP ⁽²⁾	12.1-in. (wide)	•		
2711P-RGT15SP	15-in.	•		
2711P-RGB15P			•	
2711P-RGT19P	19-in.	•		

(1) The use of protective overlays may not be compatible in all hygienic applications. Consult the standards and protocols for your hygienic applications before you use a protective overlay on a stainless-steel terminal.

(2) On ArmorView Plus 7 terminals, the protective overlay covers only the touch screen portion of the product.

Power Supplies and Power Terminal Blocks

Cat. No.	Description	Quantity
1606-XLP95E	DIN rail power supply, 24...28V DC output voltage, 95 W	1
1606-XLP100E	DIN rail power supply, 24...28V DC output voltage, 100 W	1
2711P-RSACDIN	DIN rail power supply, AC-to-DC, 85...265V AC, 47...63 Hz	1
2711P-RTBAP	3-pin AC power terminal block	10
2711P-RTBDSP	3-pin DC power terminal block	10

Mounting Hardware

Cat. No.	Description	Quantity
2711P-RMCP ⁽¹⁾	Replacement mounting levers (black)	16
2711P-RTMC ⁽²⁾	Replacement mounting clips (only for stainless-steel terminals)	8

(1) Catalog number 2711P-RMCP mounting levers are used with PanelView Plus 7 Performance terminals. Do not use gray mounting levers; they are not compatible with PanelView Plus 7 Performance terminals.

(2) Catalog number 2711P-RTMC mounting clips are used for stainless-steel terminals, catalog numbers 2711P-T9W22D9P-BSHK 2711P-T10C22D9P-BSHK, 2711P-T12W22D9P-BSHK, or 2711P-T15C22D9P-BSHK. **NOTE:** 2711P-T12W22D9P-BSHK requires 10 mounting clips and 2711P-T15C22D9P-BSHK requires 12 mounting clips. If you need more than eight clips, order two 2711P-RTMC mounting clip kits.

Secure Digital (SD) Cards⁽¹⁾

Cat. No.	Description	Quantity
1784-SD1	1 GB SD card	1
1784-SD2	2 GB SD card	1
1784-SDHC8	8 GB High Capacity SD card	1
1784-SDHC32	32 GB High Capacity SD card	1
2711C-RCS	USB to SD adapter for SD card	1

(1) To help reduce the chance of corruption when you use SD Cards or USB drives with the terminal, Rockwell Automation recommends that you use only the above SD card catalog numbers.

Battery Replacement

Cat. No.	Description	Quantity
2711P-RY2032	Lithium coin cell battery, CR2032 equivalent	1