MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ALLEN-BRADLEY

2711P-T12W22D9P

12.1-INCH WIDESCREEN COLOR TOUCH PERFORMANCE TERMINAL

Used with the applicable PanelView Plus 7 Performance configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Rockwell Automation PanelView Plus 7 Performance Technical Data

Technical Data

Original Instructions

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 B)** 800 x 600 VGA, 24-bit color graphics				**(Series A)** 1280 x 800 WXGA, 18-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-SD*x* and 1784-SDHC*x* 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.