Technical Data

Original Instructions

Allen-Bradley
by ROCKWELL AUTOMATION

PanelView Plus 7 Performance Terminals

Catalog Numbers 2711P-T7C22D9P, 2711P-T7C22D9P-B, 2711P-T7C22A9P, 2711P-T7C22A9P-B, 2711P-B7C22D9P, 2711P-B7C22D9P-B, 2711P-B7C22A9P, 2711P-B7C22A9P-B, 2711P-T9W22D9P, 2711P-T9W22D9P-B, 2711P-T9W22A9P, 2711P-T9W22A9P-B, 2711P-T10C22D9P, 2711P-T10C22D9P-B, 2711P-T10C22A9P, 2711P-T10C22A9P-B, 2711P-B10C22D9P, 2711P-B10C22D9P-B, 2711P-B10C22A9P, 2711P-B10C22A9P-B, 2711P-T12W22D9P, 2711P-T12W22D9P-B, 2711P-T12W22A9P, 2711P-T12W22A9P-B, 2711P-T15C22D9P, 2711P-T15C22D9P-B, 2711P-T15C22A9P, 2711P-T15C22A9P-B, 2711P-B15C22D9P, 2711P-B15C22D9P-B, 2711P-B15C22A9P, 2711P-B15C22A9P-B, 2711P-T19C22D9P, 2711P-T19C22D9P-B, 2711P-T19C22A9P, 2711P-T19C22A9P-B, 2711P-T9W22D9P-BSHK, 2711P-T12W22D9P-BSHK, 2711P-T7C22D9PK, 2711P-T9W22D9PK, 2711P-T10C22D9PK, 2711P-T12W22D9PK, 2711P-T15C22D9PK, 2711P-T19C22D9PK, 2711P-B15C22D9PK, 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

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
- Web browser, Microsoft® file viewers, text editor, PDF viewer, remote desktop connection, and media player on the terminal desktop
- 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 9-in. wide-screen, touch-only units and the 12-in. wide-screen, touch-only units
- On-machine mounting available for the 12.1-in. wide-screen, touch-only terminal

Rockwell Automation

Technical Specifications

The tables in this section provide technical specifications for the PanelView Plus 7 Performance terminals.

PanelView Plus 7 Performance 7-in and 9-in Terminals

Attribute	6.5-in. Touch 2711P--T7C22D9P, 2711P--T7C22D9P-B [1] 2711P-T7C22A9P[2], 2711P-T7C22A9P-B[2] 2711P-T7C22D9PK[3]		6.5-in. Touch with Keypad 2711P-B7C22D9P, 2711P-B7C22D9P-B [1] 2711P-B7C22A9P[2], 2711P-B7C22A9P-B[2]		9-in. Touch 2711P-T9W22D9P, 2711P-T9W22D9P-B [1] 2711P-T9W22A9P[2], 2711P-T9W22A9P-B[2] 2711P-T9W22D9PK[3]	
Operator input	Touch		Touch with keypad		Touch	
Conformal-coated	Yes		—		Yes	
Display type	TFT Color					
Display size, diagonal	6.5-in.				9-in. widescreen	
Viewing area (W x H)	132 x 99 mm (5.2 x 3.9 in.)				196 x 118 mm (7.7 x 4.6 in.)	
Display resolution	640 x 480 VGA, 18-bit color graphics[4]				800 x 480 WVGA, 18-bit color graphics[4]	
Aspect ratio	4:3				5:3	
Brightness, typical	737 cd/m^2 (Nits)				358 cd/m^2 (Nits)	
Backlight life	White light-emitting diode, solid state Life: 50,000 h min at 40 ℃ (104 ℉) 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 ℃ (77 ℉) Replacement: CR2032 lithium coin cell					
Memory: • System • User 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*Series C for Stainless Steel Terminals					
Secure Digital (SD) card slots	One SD card slot for external storage; supports cat. no. 1784-SDx and 1784-SDHCx cards					
USB ports: • Host • Device • 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[5] 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 for Stainless Steel Terminals					
Operating system	(Series A) Windows CE 6.0 with Extended Features and MS Office Viewers (includes FTP, VNC client server, ActiveX controls, PDF reader, third-party device support) (Series B*) Windows 10 IoT Core *Series C for Stainless Steel Terminals					
Ethernet ports	Two 10/100Base-T, Auto MDI/MDI-X 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					
Electrical						
Input voltage	24V DC nom (18…30V DC)	100…240V AC[2]	24V DC nom (18…30V DC)	100…240V AC[2]	24V DC nom (18…30V DC)	100…240V AC[2]
Power consumption	50 W max (2.1 A at 24V DC) 29 W for Series B T7 terminal	105VA	50 W max (2.1 A at 24V DC) 29 W for Series B B7 terminal	105VA	50 W max (2.1 A at 24V DC) 30 W for Series B T9W terminal	105VA
Power supply	Supports (SELV) and (PELV) 24V DC supplies[6]	—	Supports (SELV) and (PELV) 24V DC supplies[6]	—	Supports (SELV) and (PELV) 24V DC supplies[6]	—

PanelView Plus 7 Performance 7-in and 9-in Terminals (Continued)

Attribute	6.5-in. Touch 2711P--T7C22D9P, 2711P--T7C22D9P-B [1] 2711P-T7C22A9P[2], 2711P-T7C22A9P-B[2] 2711P-T7C22D9PK[3]	6.5-in. Touch with Keypad 2711P-B7C22D9P, 2711P-B7C22D9P-B [1] 2711P-B7C22A9P[2], 2711P-B7C22A9P-B[2]	9-in. Touch 2711P-T9W22D9P, 2711P-T9W22D9P-B [1] 2711P-T9W22A9P[2], 2711P-T9W22A9P-B[2] 2711P-T9W22D9PK[3]
Mechanical			
Weight, approx	1.2 kg (2.65 lb)	1.47 kg (3.25 lb)	1.58 kg (3.48 lb)
Dimensions, approx (H x W x D)	170 x 212 x 69.6 mm 6.69 x 8.35 x 2.74 in.	179 x 285 x 69.6 mm 7.05 x 11.22 x 2.74 in.	190 x 280 x 69.6 mm 7.48 x 11.02 x 2.74 in.
Cutout dimensions, approx (H x W)	142 x 184 mm 5.59 x 7.24 in.	142 x 237 mm 5.59 x 9.33 in.	162 x 252 mm 6.38 x 9.92 in.

(1) Catalog numbers with a -B extension denote terminals that exclude the Allen-Bradley brand marking. Customers can put their own brand labels on these terminals.
(2) Series A only.
(3) Catalog numbers that end with a K denote terminals that are conformal coated.
(4) Series B terminals have 24-bit color graphics.
(5) The USB 3.0 host port only supports up to 500mA current output.
(6) 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.