

PanelView Plus 6 Terminals (700 To 1500)

The PanelView Plus 6 - 700 to 1500 terminals use modular components with value-added options for flexible system configuration; display module, logic module, and optional communication module. These components are usable across the entire platform and install with minimal effort. Configured terminals with a display module and logic module can be ordered as a single catalog number or as separate components for field installation.

The core component of this platform is the high-performance logic module that runs a closed or open Windows CE desktop environment with optional, extended features and file viewers. System integrators and OEMs can configure and deploy systems that allow or restrict desktop access.



Logic Module Features	Description
High memory capacity	512 MB nonvolatile flash and 512 MB RAM
Power input	AC or DC
Network interface	For optional 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 1 USB device port for connecting a host computer
Secure Digital (SD) card slot	Hot-swappable card slot supports 1784-CDx 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 needed for most users needs: - FTP server - VNC client-server - PDF reader - ActiveX controls - Third-party device support Additional functionality is available by ordering terminals (cat. no. 2711P-xxxx9) with optional, extended features and file viewers: - 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 software, preloaded and activated - FactoryTalk ViewPoint software, version 1.2 or later, single license included - HMI applications developed with FactoryTalk View Studio for Machine Edition software

Product Selection

PanelView Plus 6 Terminals without Extended Features

Cat. No.	Cat. No.	Cat. No.	Display		Communication		Input Power	Nonvolatile Flash/ RAM Memory‡
Keypad	Touch	Kepad/Touch	Size	Type	RS-232	Ethernet		
700 Model								
2711P-K7C4D8	2711P-T7C4D8	2711P-B7C4D8	6.5-in.	Color	✓	✓	DC	512 MB/512 MB
—	2711P-T7C4D8K*	—			✓	✓	DC	512 MB/512 MB
2711P-K7C4A8	2711P-T7C4A8	2711P-B7C4A8			✓	✓	AC	512 MB/512 MB
1000 Model								
2711P-K10C4D8	2711P-T10C4D8	2711P-B10C4D8	10.4-in.	Color	✓	✓	DC	512 MB/512 MB
2711P-K10C4A8	2711P-T10C4A8	2711P-B10C4A8			✓	✓	AC	512 MB/512 MB
1250 Model								
2711P-K12C4D8	2711P-T12C4D8	2711P-B12C4D8	12.1-in.	Color	✓	✓	DC	512 MB/512 MB
—	2711P-T12C4D8K*	—			✓	✓	DC	512 MB/512 MB
2711P-K12C4A8	2711P-T12C4A8	2711P-B12C4A8			✓	✓	AC	512 MB/512 MB
1500 Model								
2711P-K15C4D8	2711P-T15C4D8	2711P-B15C4D8	15-in.	Color	✓	✓	DC	512 MB/512 MB
2711P-K15C4A8	2711P-T15C4A8	2711P-B15C4A8			✓	✓	AC	512 MB/512 MB

* Conformal-coated terminal.

‡ The logic module supports FactoryTalk View Machine Edition software, FactoryTalk ViewPoint software, version 1.2 or later, and the Windows CE 6.0 operating system without extended features and file viewers.

PanelView Plus 6 Terminals with Extended Features and File Viewers

Cat. No.	Cat. No.	Cat. No.	Display		Communication		Input Power	Nonvolatile Flash/ RAM Memory★
Keypad	Touch	Kepad/Touch	Size	Type	RS-232	Ethernet		
700 Model								
2711P-K7C4D9	2711P-T7C4D9	2711P-B7C4D9	6.5-in.	Color	✓	✓	DC	512 MB/512 MB
2711P-K7C4A9	2711P-T7C4A9	2711P-B7C4A9			✓	✓	AC	512 MB/512 MB
1000 Model								
2711P-K10C4D9	2711P-T10C4D9	2711P-B10C4D9	10.4-in.	Color	✓	✓	DC	512 MB/512 MB
2711P-K10C4A9	2711P-T10C4A9	2711P-B10C4A9			✓	✓	AC	512 MB/512 MB
1250 Model								
2711P-K12C4D9	2711P-T12C4D9	2711P-B12C4D9	12.1-in.	Color	✓	✓	DC	512 MB/512 MB
2711P-K12C4A9	2711P-T12C4A9	2711P-B12C4A9			✓	✓	AC	512 MB/512 MB
1500 Model								
2711P-K15C4D9	2711P-T15C4D9	2711P-B15C4D9	15-in.	Color	✓	✓	DC	512 MB/512 MB
2711P-K15C4A9	2711P-T15C4A9	2711P-B15C4A9			✓	✓	AC	512 MB/512 MB

* The logic module supports FactoryTalk View Machine Edition software, FactoryTalk ViewPoint software, version 1.2 or later, and the Windows CE 6.0 operating system with extended features and file viewers.

Communication

All PanelView Plus 6 - 700 to 1500 terminals come standard with Ethernet and RS-232 serial ports. The Ethernet port supports EtherNet/IP and Ethernet options using KEPServer drivers. The RS-232 port supports DF1 serial, DH-485 serial, and multi-vendor serial drivers. An optional ControlNet, DH+, DH-485, or Ethernet communication module can be added or changed after installation.

Communication Port	Communication Modules ‡			
	700	1000	1250	1500
Ethernet and RS-232	Base unit	Base unit	Base unit	Base unit
DH-485 *	2711P-RN6	2711P-RN6	2711P-RN6	2711P-RN6
	2711P-RN6K	2711P-RN6K	2711P-RN6K	2711P-RN6K
DH+ *	2711P-RN6	2711P-RN6	2711P-RN6	2711P-RN6
	2711P-RN6K	2711P-RN6K	2711P-RN6K	2711P-RN6K
ControlNet *	2711P-RN15S	2711P-RN15S	2711P-RN15S	2711P-RN15S
	2711P-RN15SK	2711P-RN15SK	2711P-RN15SK	2711P-RN15SK
Ethernet	2711P-RN20	2711P-RN20	2711P-RN20	2711P-RN20

* A base unit with Ethernet and RS-232 is required to support this module.

‡ Catalog numbers ending in K, for example, 2711P-RN6K or RN15SK, are conformal-coated modules.

Specifications

Attribute	700 Color	1000 Color	1250 Color ★	1500 Color
Operator Input	Keypad, Touch, or Key/Touch	Keypad, Touch, or Key/Touch	Keypad, Touch, or Key/Touch	Keypad, Touch, or Key/Touch
Display Description	Color active-matrix TFT	Color active-matrix TFT	Color active-matrix TFT	Color active-matrix TFT
Display Size	6.5 inch	10.4 inch	12.1 inch	15 inch
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/m2 Nits		300 cd/m2 Nits	
Backlight ★	50,000 h life, min., field replaceable			
Real-time Clock	Battery-backed clock timestamps critical data, ± 2 minutes per month Battery life: 4 year min. @ 25 °C (77 °F) Field-replaceable: cat. no. 2711P-RY2032			
Touch Screen Description	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: 10...340 g			
Function Keys	22 (F1...F10, K1...K12)	32 (F1...F16, K1...K16)	40 (F1...F20, K1...K20)	40 (F1...F20, K1...K20)
Operating Systems	Windows CE 6.0 with or without extended features/file viewers			
Application Software	FactoryTalk View Machine Edition FactoryTalk ViewPoint, version 1.2 or later			
Memory	512 MB nonvolatile flash and 512 MB RAM			
Communication Ports	Ethernet (10/100 Mbps, Auto-MDI/MDI-X), RS-232, (2) USB host, (1) USB device, Network interface for optional DH+/DH-485, or ControlNet (scheduled or unscheduled) communication module			
External storage	Secure Digital (SD) card, cat. no. 1784-SDX, supported by hot-swappable SD card slot USB flash drives supported by high-speed, hot-swappable, 2.0 USB ports			
Electrical				
Input Voltage, DC	18...32V DC (24V DC nominal)			
Power Consumption, DC	70 W (2.9 A at 24V DC)			
Power Supply	Cat. no. 2711P-RSACDIN, Class 2 or Safety Extra-Low Voltage (SELV) power supply; 85...264V AC, 120VA			
Input Voltage, AC	85...264V AC, 47...63 Hz			
Power Consumption, AC	160VA max			
Environmental				
Operating Temperature	0...55 °C (32...131 °F)			
Nonoperating Temperature	-25...70 °C (-13...158 °F)			
Relative Humidity	5...95% noncondensing			
Operating Shock	15 g at 11 ms			
Nonoperating Shock	30 g at 11 ms			
Vibration	0.012 in p-p, 10...57 Hz 2 g peak, 57...500 Hz			
Ratings	NEMA Type 12, 13, 4X (indoor use only), IP54, IP65			
Certifications ★	C-UL certified, UL listed, CE marked; Class I Div 2, Groups A, B, C, D; Class II Div 2 Groups F, G; Class III, Div I; C-Tick			
Weight ‡				
Keypad or Key/Touch	1.8 kg (4.1 lb)	2.8 kg (6.2 lb)	3.4 kg (7.5 lb)	4.5 kg (9.9 lb)
Touch	1.7 kg (3.7 lb)	2.5 kg (5.6 lb)	3.2 kg (7.0 lb)	4.2 kg (9.2 lb)
Dimensions ‡				
Keypad (HxWxD) or Key/Touch	193 x 290 x 55 mm 7.58 x 11.40 x 2.18 in.	248 x 399 x 55 mm 9.77 x 15.72 x 2.18 in.	282 x 416 x 55 mm 11.12 x 16.36 x 2.18 in.	330 x 469 x 65 mm 12.97 x 18.46 x 2.55 in.
Touch Screen (HxWxD)	179 x 246 x 55 mm 7.04 x 9.68 x 2.18 in.	248 x 329 x 55 mm 9.77 x 12.97 x 2.18 in.	282 x 363 x 55 mm 11.12 x 14.30 x 2.18 in.	330 x 416 x 65 mm 12.97 x 16.37 x 2.55 in.
Cutout Dimensions				
Keypad (HxW) or Key/Touch	167 x 264 mm 6.57 x 10.39 in.	224 x 375 mm 8.8 x 14.75 in.	257 x 390 mm 10.11 x 15.35 in.	305 x 419 mm 12.0 x 16.5 in.
Touch Screen (HxW)	154 x 220 mm 6.08 x 8.67 in.	224 x 305 mm 8.8 x 12.0 in.	257 x 338 mm 10.11 x 13.29 in.	305 x 391 mm 12.0 x 15.4 in.

★ 1250 High-Bright touch screen (Cat. No. 2711P-RDT12H) is available for outdoor installations. The brightness is over 1000 cd/m2 and the backlight is not replaceable. Certifications include Class I, Zone 2, Group IIC.

‡ The weight and dimensions do not include communication module. Add 95 g (0.21 lb) to the weight for a communication module.

Software

PanelView Plus 6 terminals are configured with FactoryTalk View Studio software and have an integrated runtime system called FactoryTalk View Machine Edition

Station. Machine Edition Station runs projects developed with FactoryTalk View Studio. Two versions of FactoryTalk View Studio support application development for PanelView Plus 6 terminals.

Cat. No.	Description
9701-VWSTMENE	FactoryTalk View Studio for Machine Edition - Configuration software for developing and testing machine level human machine interface (HMI) applications.
9701-VWSTENE	FactoryTalk View Studio - Configuration software for developing and testing machine level and supervisory level human machine interface (HMI) applications.

You can import PanelView Standard/PanelBuilder32 and PanelView e applications into FactoryTalk View Studio as Machine Edition applications using the Machine Edition Import Wizard. The Import Wizard steps you through a few options such as scaling to a new screen resolution size, and then converts objects, text, tags, and communication configurations to ones that are available in Machine Edition.

FactoryTalk ViewPoint, an add-on to FactoryTalk View Studio, allows plant managers, production supervisors, system integrators, and other key stakeholders to view real-time plant floor operations remotely from a web browser. ViewPoint enabled displays are fully scalable and animated in the browser. The remote user can also view displays that are not the active display of the terminal.

For a complete list of available HMI software, visit <http://www.rockwellautomation.com/rockwellsoftware>.

Accessories

Logic Modules

Cat. No.	Power Input	Nonvolatile Flash/ RAM Memory	Communication	Marine Certified	Conformal Coated	Included Software
Logic Modules without Extended Features						
2711P-RP8A	AC	512 MB/512 MB	• Ethernet	✓	—	• Windows CE 6.0 operating system without extended features/file viewers
2711P-RP8D	DC	512 MB/512 MB		• RS-232	✓	
2711P-RP8DK	DC	512 MB/512 MB		• Network interface for comm module	✓	✓
Logic Modules with Extended Features and File Viewers						
2711P-RP9A	AC	512 MB/512 MB	• Ethernet	✓	—	• Windows CE 6.0 operating system with extended features/file viewers
2711P-RP9D	DC	512 MB/512 MB		• RS-232	✓	
2711P-RP9DK	DC	512 MB/512 MB		• Network interface for comm module	✓	✓

Display Modules

Cat. No.	Input Type	Display	Marine Certified	Conformal Coated	Built-in Antiglare Overlay
700 Model					
2711P-RDK7C	Keypad	7-in. color	—	—	—
2711P-RDK7CK	Keypad		—	✓	—
2711P-RDT7C	Touch		—	—	—
2711P-RDT7CK	Touch		—	✓	—
2711P-RDT7CM	Touch		✓	—	—
2711P-RDB7C	Keypad / Touch		—	—	—
2711P-RDB7CK	Keypad / Touch		—	✓	—
2711P-RDB7CM	Keypad / Touch		✓	—	—
1000 Model					
2711P-RDK10C	Keypad	10-4 in. color	—	—	—
2711P-RDT10C	Touch		—	—	—
2711P-RDT10CM	Touch		✓	—	—
2711P-RDB10C	Keypad / Touch		—	—	—
2711P-RDB10CM	Keypad / Touch		✓	—	—
1250 Model					
2711P-RDK12C	Keypad	12.1-in. color	—	—	—
2711P-RDK12CK	Keypad		—	✓	—
2711P-RDT12C	Touch		—	—	—
2711P-RDT12CK	Touch		—	✓	—
2711P-RDT12AG	Touch		—	—	✓
2711P-RDT12H ★	Touch		—	—	—
2711P-RDB12C	Keypad / Touch		—	—	—
2711P-RDB12CK	Keypad / Touch		—	✓	—
1500 Model					
2711P-RDK15C	Keypad	15-in. color	—	—	—
2711P-RDT15C	Touch		—	—	—
2711P-RDT15AG	Touch		—	—	✓
2711P-RDB15C	Keypad / Touch		—	—	—

★ This catalog number is a high-bright display module, indicated by the H at the end of cat. no., that is designed for outdoor applications. The high-bright display module can be used only with DC-power logic modules.

Communication Modules

Cat. No.	Communication Module Type				Conformal Coated	Marine Certified
	Ethernet	DH+	DH-485	ControlNet★		
2711P-RN6	—	✓	✓	—	—	—
2711P-RN6K	—	✓	✓	—	✓	—
2711P-RN15S	—	—	—	✓	—	✓
2711P-RN15SK	—	—	—	✓	✓	—
2711P-RN20	✓	—	—	—	—	—

★ Scheduled and unscheduled communication.

Secure Digital Cards

Cat. No.	Description
1784-SD1	1 GB Secure Digital (SD) card
1784-SD2	2 GB Secure Digital (SD) card
2711C-RCSD	USB to SD adapter for secure digital (SD) card

Antiglare Overlays

Cat. No. ★	Terminal Model	Operator Input		
		Keypad	Touch	Key/Touch
2711P-RGK7	700	✓	—	✓
2711P-RGT7		—	✓	—
2711P-RGK10	1000	✓	—	✓
2711P-RGT10		—	✓	—
2711P-RGK12	1250	✓	—	✓
2711P-RGT12		—	✓	—
2711P-RGK15	1500	✓	—	✓
2711P-RGT15		—	✓	—

★ Three overlays are shipped with each catalog number.

Solar Visor

Cat. No.	Description
2711P-RVT12	Solar Visor for 1250 high-bright display module, cat. no. 2711P-RDT12H

Mounting Hardware

Cat. No.	Description	Quantity
2711P-RTMC	Mounting levers for 1000 only	8

Battery Replacement

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

Power Supply and Terminal Blocks

Cat. No.	Description
2711P-RSACDIN	DIN-rail mount, AC-to-DC power supply, 85...265VAC, 47...63 Hz
2711P-RTBAC3	AC power terminal block
2711P-RTBDC2	2-pin DC power terminal block (1000 only)

Backlight Replacements

Cat. No.	Display Size	Series	Quantity
2711P-RL7C	700	A and B	1
2711P-RL7C2		C and D	1
2711P-RL10C	1000	A	1
2711P-RL10C2		B and C	1
2711P-RL12C	1250	A and B	2
2711P-RL12C2		C	1
2711P-RL15C	1500	B	2

Bezel Replacements

Cat. No.	Description
2711P-RBK7	Replacement bezel for PanelView Plus 700 keypad terminals
2711P-RBT7	Replacement bezel for PanelView Plus 700 touch sceen terminals
2711P-RBB7	Replacement bezel for PanelView Plus 700 keypad and keypad/touch terminals
2711P-RBK10	Replacement bezel for PanelView Plus 1000 keypad terminals
2711P-RBT10	Replacement bezel for PanelView Plus 1000 touch terminals
2711P-RBB10	Replacement bezel for PanelView Plus 1000 keypad and keypad/touch terminals
2711P-RBK12	Replacement bezel for PanelView Plus 1250 keypad terminals
2711P-RBT12	Replacement bezel for PanelView Plus 1250 touch terminals
2711P-RBT12H	Replacement bezel for PanelView Plus 1250 touch high-bright displays
2711P-RBB12	Replacement bezel for PanelView Plus 1250 keypad and keypad/touch terminals
2711P-RBK15	Replacement bezel for PanelView Plus 1500 keypad terminals
2711P-RBT15	Replacement bezel for PanelView Plus 1500 touch terminals
2711P-RBB15	Replacement bezel for PanelView Plus 1500 keypad and keypad/touch terminals

Adapter Plates

Cat. No.	Description
2711P-RAK4	Adapts a PanelView Plus 400 keypad or 600 touch to a PanelView Standard 550 Keypad
2711P-RAK6	Adapts a PanelView Plus 600 keypad to a PanelView Standard 600 keypad
2711P-RAK7	Adapts a PanelView Plus 700 Keypad or keypad/touch to a PanelView Standard 900 keypad
2711P-RAT7	Adapts a PanelView Plus 700 touch to a PanelView Standard 900 touch
2711P-RAK10	Adapts a PanelView Plus 1000 keypad or keypad/touch to a PanelView 1000/1000E keypad
2711P-RAT10	Adapts a PanelView Plus 1000 Touch to a PanelView 1000/1000E touch
2711P-RAK15	Adapts a PanelView Plus 1500 Keypad or keypad/touch to a PanelView 1200E/1400E keypad
2711P-RAT15	Adapts a PanelView Plus 1500 touch to a PanelView 1200E/1400E touch
2711P-RAK12E	Adapts a PanelView Plus 1250 (or PV1000/1000E) keypad or keypad/touch to a PanelView 1200/1400E keypad
2711P-RAT12E2	Adapts a PanelView Plus 1250 (or PV1000/1000E) touch to a PanelView 1200 touch
2711P-RAT12E	Adapts a PanelView Plus 1250 (or PV1000/1000E) touch to a PanelView 1200E/1400E touch
2711P-RAK12S	Adapts a PanelView Plus 1250 (or PV1000/1000E) keypad or keypad/touch to a PanelView Standard 1400 keypad
2711P-RAT12S	Adapts a PanelView Plus 1250 (or PV1000/1000E) touch to a PanelView Standard 1400 touch

Cables

Cat. No.	Description
2711C-CBL-UU02	USB host to USB device programming cable, 2 m (6.5 ft)
2711-NC13	RS-232 Operating/Programming Cable, 9-Pin D Shell to 9-Pin D Shell, 5 m (16.4 ft)
2711-NC14	RS-232 Operating/Programming Cable, 9-Pin D Shell to 9-Pin D Shell, 10 m (32.7 ft)
2711-NC17	Remote RS-232 Serial Cable
2711-NC21	RS-232 Operating Cable, 9-Pin D Shell to 8-Pin Mini DIN, 5 m (16.4 ft)
2711-NC22	RS-232 Operating Cable, 9-Pin D Shell to 8-Pin Mini DIN, 15 m (49 ft)
1761-CBL-AS03, -AS09	DH-485 Network Interface Cable (6-Pin Phoenix to RJ45)
2711P-CBL-EX04	Ethernet CAT5 crossover cable, 4.3 m (14 ft)