

PanelView Standard Terminal Specifications

Catalog Numbers 2711



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PanelView Standard Terminals

The PanelView Standard terminals feature pixel graphics capabilities and functionality in color, grayscale, and monochrome displays. These rugged electronic operator interface solutions are available in a variety of sizes and configurations to meet specific application requirements. All use common development software to simplify programming and improve operator productivity.

These terminals communicate with PLC and SLC controllers over EtherNet/IP, DeviceNet, ControlNet, DH-485, DH+, and remote I/O networks, or by using serial communication.

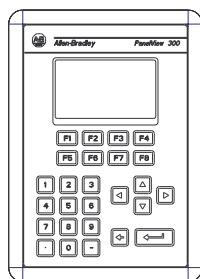
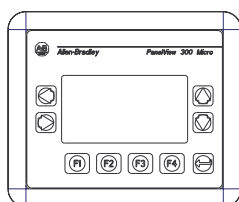
Other features supported by the PanelView Standard line include advanced alarm handling, screen security, analog gauges, ATA memory card, universal language support, and online printing for more intuitive operator control.

Technical Specifications

Tables 3...6 summarize the technical specifications for PanelView Standard terminals.

PanelView Standard 300 Micro and 300 Terminals

Table 3 - Technical Specifications - PanelView Standard 300 Micro/300 Terminals



Attribute	PanelView 300 Micro 2711-M3A18L1, 2711-M3A19L1	PanelView 300 2711-K3A2L1, 2711-K3A5L1, 2711-K3A5L1K, 2711-K3A10L1, 2711-K3A17L1
Operator input	Keypad	Keypad
Display type	Monochrome transreflective LCD with LED backlight	
Display area (WxH)	73 x 42 mm (2.87 x 1.67 in.)	
Resolution	128 x 64	
Backlight	100,000 hr LED backlight life	
Touch screen	—	—
Keypad description	Stainless steel domed membrane Navigation, function keys Actuation: 2 million presses	
Keypad function keys	4 function keys (F1...F4)	8 function keys (F1...F8)
Real-time clock	Battery-backed clock timestamps critical data	
Battery	Not replaceable	
Application memory	170 KB application runtime 240 KB nonvolatile memory (application objects plus text and bitmaps)	
ATA memory card	Not supported	Supported
Software	PanelBuilder32 software, runs on a personal computer	
Communication ports	RS-232 (DH-485) RS-232 (DF1)	DeviceNet DH-485 RS-232 (DH-485) RS-232 (DF1)
RS-232 printer port	—	1200, 2400, 9600, 19,200 Kbps
Input voltage, DC	11...30V DC (24V DC nom)	18...32V DC (24V DC nom)
Power consumption, DC	25 W max (0.105 A at 24V DC)	10 W max (0.42 A at 24V DC)
Input voltage, AC	—	—
Power consumption, AC	—	—
Weight, approx.	284 g (10 oz.)	673 g (1.48 lb)
Dimensions (HxWxD), approx.	133 x 111 x 48 mm 5.23 x 4.38 x 1.87 in.	197 x 140 x 82 mm 7.76 x 5.53 x 3.21 in.

Product Selection

Tables 7...11 provide a list of catalog numbers for the PanelView Standard terminals.

Table 7 - PanelView 300 Monochrome Terminals

Cat. No.	Input	Display		Communication	Power	Memory Nonvolatile/RAM
		Size	Type			
2711-K3A2L1 ⁽¹⁾	Keypad	3 in.	Monochrome	DH-485	DC	240 KB/170 KB
2711-K3A5L1 ⁽¹⁾	Keypad			RS-232 (DH-485)	DC	240 KB/170 KB
2711-K3A5L1K ⁽¹⁾⁽²⁾	Keypad			RS-232 (DH-485)	DC	240 KB/170 KB
2711-K3A10L1	Keypad			DeviceNet and RS-232	DC	240 KB/170 KB
2711-K3A17L1 ⁽³⁾	Keypad			RS-232 (DF1)	DC	240 KB/170 KB

(1) Terminals with a DH-485 communication port require application uploads and downloads through the communication port. The RS-232 printer port is only for printing only.

(2) K at the end of a catalog number means the terminal is conformal-coated.

(3) This terminal does not have an RS-232 printer port. Use the communication port to download or upload application files.

Table 8 - PanelView 300 Micro Terminals

Cat. No. ⁽¹⁾	Input	Display		Communication	Power	Nonvolatile Memory
		Size	Type			
2711-M3A18L1	Keypad	3 in.	Monochrome	RS-232 (DF1) 8-pin mini DIN	DC	240 KB
2711-M3A19L1	Keypad			RS-232 (DH-485) 8-pin mini DIN	DC	240 KB

(1) These terminals do not have an RS-232 printer port. Use the communication port to upload and download application files.

Table 9 - PanelView Standard 600 Terminals

Cat. No.			Display		Communication Ports		Memory Nonvolatile/RAM
Keypad ⁽¹⁾	Touch ⁽¹⁾	Keypad/Touch ⁽¹⁾	Size	Type	Comm	RS-232 Print	
2711-K6A2	2711-T6A2L1	2711-B6A2	5 in.	Color	DH-485 ⁽²⁾	No	240 KB/170 KB
2711-K6A3	2711-K6A3L1	2711-B6A3			DH-485 ⁽²⁾	Yes	240 KB/170 KB
2711-K6A5	2711-K6A5L1	2711-B6A5			RS-232 (DH-485) ⁽²⁾	No	240 KB/170 KB
2711-K6A9	2711-K6A9L1	2711-B6A9			RS-232 (DH-485) ⁽²⁾	Yes	240 KB/170 KB
2711-K6A1	2711-K6A1L1	2711-B6A1			Remote I/O	Yes	240 KB/170 KB
2711-K6A8	2711-K6A8L1	2711-B6A8			DH+	Yes	240 KB/170 KB
2711-K6A10	2711-K6A10L1	2711-B6A10			DeviceNet	Yes	240 KB/170 KB
2711-K6A15	2711-K6A15L1	2711-B6A15			ControlNet	Yes	240 KB/170 KB
2711-K6A16	2711-K6A16L1	2711-B6A16			RS-232 (DF1)	Yes (download also)	240 KB/170 KB
2711-K6A20	2711-K6A20L1	2711-B6A20			EtherNet/IP	Yes	240 KB/170 KB

(1) Touch terminals support DC power only as indicated by L1 at the end of the catalog number. To order a keypad or keypad/touch terminal with DC power, add L1 to the cat. no., for example, 2711-K6C3L1.

(2) Terminals with DH-485 communication require that you upload or download applications by using the communication port. The RS-232 port on these terminals is for printing only.

Application Upload/Download Cables

This table summarizes cables used by the PanelView Standard terminals to upload and download application files between a computer and the terminal.

Table 23 - Application Transfer Cables

PanelView Standard Terminal	Cable to Computer
PanelView 300 Micro 2711-M3A18L1, 2711-M3A19L1	1761-CBL-PM02 (2 m/6.5 ft) 1761-CBL-PM05 (5 m/16 ft) 1761-CBL-PM10 (10 m/32 ft)
PanelView 300 to 1000 DH-485 comm port only or DH-485 comm port and RS-232 printer port 2711-xxx2, 2711-xxx3	1747-UIC
PanelView 300 to 1000 RS-232 comm port only or RS-232, DH+, ControlNet, DeviceNet, or Remote I/O comm port and RS-232 printer port 2711-xxx1, 2711-xxx5, 2711-xxx8, 2711-xxx9, 2711-xxx10, 2711-xxx15, 2711-xxx16, 2711-xxx17	2711-NC13 (5 m/16 ft) 2711-NC14 (10 m/32 ft)
PanelView 550 to 1000 EtherNet/IP comm port and RS-232 printer port 2711-xxx20	Ethernet cable