

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.

Environmental Specifications

This table lists the environmental specifications for the family of PanelView Standard terminals.

Table 1 - Environmental Specifications- PanelView Standard Terminals

Attribute	2711 PanelView Standard 300, 300 Micro, 550, 1000
Temperature, operating	0...55 °C (32...131 °F) 600 color: 0...50 °C (32...122 °F)
Temperature, storage	
550	-20...70 °C (-4...158 °F)
300 Micro	-20...85 °C (-4...185 °F)
300, 600, 1000	-25...70 °C (-13...158 °F)
Heat dissipation	
300 Micro	2.5 W (8.5 BTU/hr)
300	6 W (13 BTU/hr)
550	20 W (69 BTU/hr)
600 keypad	32 W (107 BTU/hr)
600 touch	17 W (57.7 BTU/hr)
1000	39 W (132 BTU/hr)
Relative humidity	
300 Micro, 600 keypad, 1000	5...95% noncondensing at 0...55 °C (32...131 °F)
300, 550	5...95% noncondensing at 0...30 °C (32...86 °F)
600 touch	5...95% noncondensing at 0...40 °C (32...104 °F)
Vibration operating	2 g up to 2000 Hz
Altitude, operating	2000 m (6561 ft)
Shock, operating/nonoperating	
300 Micro, 550,	30 g/50 g
300, 600, 1000	15 g/30 g
Enclosure ratings	NEMA Type 12, 13, 4X (indoor use only), IEC IP54, IP65
Airborne contaminants	ANSI/ISA S71.04 - 1985 Severity Level G3
300 conformal-coated only	EN60654-4: 1998 Class 3

Certifications

This table lists the certifications for the family of PanelView Standard terminals.

Table 2 - Certifications - PanelView Standard Terminals

Certification ⁽¹⁾	300 Micro	300	550	600	1000
Emissions (Class A: Industrial EN50081-2:1993)	•	•	•	•	•
Immunity (Industrial) EN61000-6-2:1999	•	• (2)	•	•	•
Immunity (Industrial) EN50082-212:1995 ⁽³⁾	•	•	•	•	•
Programmable Controllers Equipment Requirements and Tests EN61131-2:1995		•	•	•	•
Low Voltage Directive (Safety Sections of EN61131-1)			•	• (4)	•
UL508	•	•	•	•	•
UL1604 Class 1, Div 2, Groups A, B, C, D, T4	•	•	• (5) (6)	•	•
UL2279 (IEC79-15) Class 1, Zone 2, Groups IIC, T4				•	•
CSA 22.2, No. 142	•	•	•	•	•
CSA 22.2, No. 213 Class 1, Div 2, Groups A, B, C, D, T4	•	• (5) (6)	•	•	•
EU Batteries Directive, 2006/66/EC	•	•	•	•	•

(1) When marked. See the Product Certification link at <http://www.ab.com> for Declarations of Conformity, Certificates, and other certification details.

(2) Meets standard as of April 2002.

(3) Standard applies to products manufactured prior to April 2002.

(4) Does not apply to 600 touch-screen only terminals.

(5) 550 (series H or later) or 550 touch-screen only (series B or later).

(6) 550 (series G or earlier) and 550 touch-screen (series A) have a temperature code rating of T2.

Table 11 - PanelView Standard 1000 Terminals

Cat. No.		Display		Communication Ports		Input Power	Memory Nonvolatile/RAM
Keypad ⁽¹⁾	Touch ⁽¹⁾	Size	Type	Comm	RS-232 Print		
2711-K10C3	2711-T10C3	10 in.	Color	DH-485 ⁽²⁾	Yes	AC	1008 KB/310 KB
2711-K10C9	2711-T10C9			RS-232 (DH-485) ⁽²⁾	Yes	AC	1008 KB/310 KB
2711-K10C1	2711-T10C1			Remote I/O	Yes	AC	1008 KB/310 KB
2711-K10C8	2711-T10C8			DH+	Yes	AC	1008 KB/310 KB
2711-K10C10	2711-T10C10			DeviceNet	Yes	AC	1008 KB/310 KB
2711-K10C15	2711-T10C15			ControlNet	Yes	AC	1008 KB/310 KB
2711-K10C16	2711-T10C16			RS-232 (DF1)	Yes (download also)	AC	1008 KB/310 KB
2711-K10C20	2711-T10C20			EtherNet/IP	Yes	AC	1008 KB/310 KB
2711-K10G3	2711-T10G3	10 in.	Grayscale	DH-485 ⁽²⁾	Yes	AC	1008 KB/310 KB
2711-K10G9	2711-T10G9			RS-232 (DH-485) ⁽²⁾	Yes	AC	1008 KB/310 KB
2711-K10G1	2711-T10G1			Remote I/O	Yes	AC	1008 KB/310 KB
2711-K10G8	2711-T10G8			DH+	Yes	AC	1008 KB/310 KB
2711-K10G10	2711-T10G10			DeviceNet	Yes	AC	1008 KB/310 KB
2711-K10G15	2711-T10G15			ControlNet	Yes	AC	1008 KB/310 KB
2711-K10G16	2711-T10G16			RS-232 (DF1)	Yes (download also)	AC	1008 KB/310 KB
2711-K10G20	2711-T10G20			EtherNet/IP	Yes	AC	1008 KB/310 KB

(1) Add L1 to the end of a cat. no. to order a terminal with DC power, for example, 2711-K10C3L1 or 2711-K10G3L1.

(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.