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 550 300 Micro 300, 600, 1000	 -20…70 °C (-4…158 °F) -20…85 °C (-4…185 °F) -25…70 °C (-13…158 °F)
Heat dissipation 300 Micro 300 550 600 keypad 600 touch 1000	 2.5 W (8.5 BTU/hr) 6 W (13 BTU/hr) 20 W (69 BTU/hr) 32 W (107 BTU/hr) 17 W (577 BTU/hr) 39 W (132 BTU/hr)
Relative humidity 300 Micro, 600 keypad, 1000 300, 550 600 touch	 5...95% noncondensing at 0…55 °C (32…131 °F) 5...95% noncondensing at 0…30 °C (32…86 °F) 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, 300, 600, 1000	 30 g/50 g 15 g/30 g
Enclosure ratings	NEMA Type 12, 13, 4X (indoor use only), IEC IP54, IP65
Airborne contaminants 300 conformal-coated only	ANSI/ISA S71.04 - 1985 Severity Level G3 EN60654-4: 1998 Class 3

Certifications

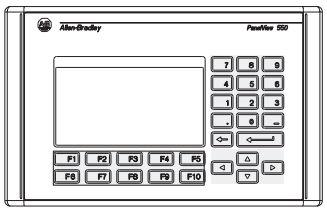
This table lists the certifications for the family of PanelView Standard terminals.

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.

PanelView Standard 550 Terminals



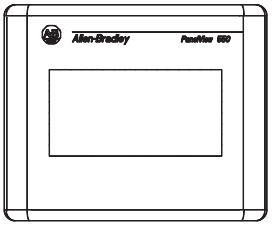


Table 4 - Technical Specifications - PanelView Standard 550 Terminals

Attribute	PanelView 550 2711-K5A, 2711-B5A	PanelView 550 2711-T5A
Operator input	Keypad or key/touch	Touch screen
Display type	Monochrome LCD blue mode display	
Display area (WxH)	120 x 60 mm (4.75 x 2.38 in.)	
Resolution	256 x 128	
Backlight	100,000 hr LED backlight life	
Touch screen	Touch cells: 128 Actuation: 1 million presses	
Keypad description	Stainless-steel domed membrane Keypad, navigation, function keys Actuation: 1 million presses	—
Keypad function keys	10 function keys (F1…F10)	—
Real-time clock	Battery-backed clock timestamps critical data	
Battery	Field replaceable	
Application memory	170 KB application runtime 240 KB nonvolatile RAM (application objects plus text and bitmaps)	
ATA memory card	Supported	
Software	PanelBuilder32 software, runs on a personal computer	
Communication ports	EtherNet/IP, DeviceNet, ControlNet, DH+, Remote I/O, DH-485, RS-232 (DH-485), RS-232 (DF1)	
RS-232 printer port	1200, 2400, 9600, 19,200 Kbps	
Input voltage, DC	18…30V DC (24V DC nom)	18…32V DC (24V DC nom)
Power consumption, DC	18 W max (0.75 A at 24V DC)	18 W max (0.75 A at 24V DC)
Input voltage, AC	85…264V AC, 47…63 Hz	—
Power consumption, AC	45VA max	—
Weight, approx.	1.2 kg (2.7 lb)	0.93 kg (2.1 lb)
Dimensions (HxWxD), approx.	167 x 266 x 106 mm 6.57 x 10.47 x 4.17 in.	152 x 185 x 82 mm 6.0 x 7.28 x 3.2 in.

Dimension Drawings

Figures 1...5 provide dimension drawings for the PanelView Standard family of terminals.

Figure 1 - Dimensions - PanelView 300 Micro Terminal

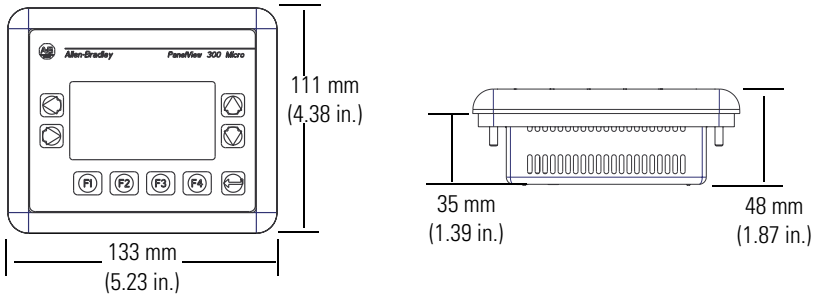


Figure 2 - Dimensions - PanelView 300 Terminal

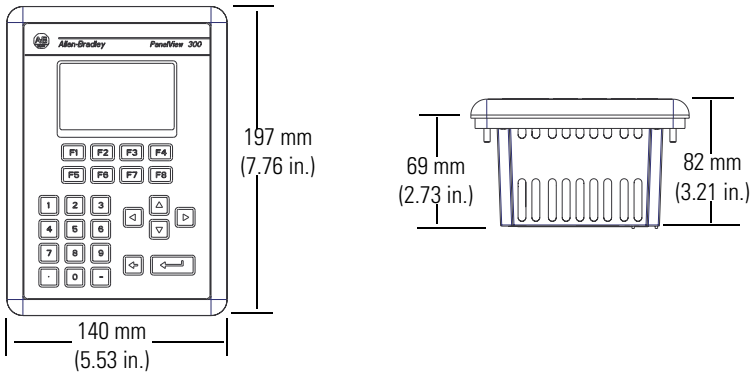


Figure 3 - Dimensions - PanelView 550 Terminals

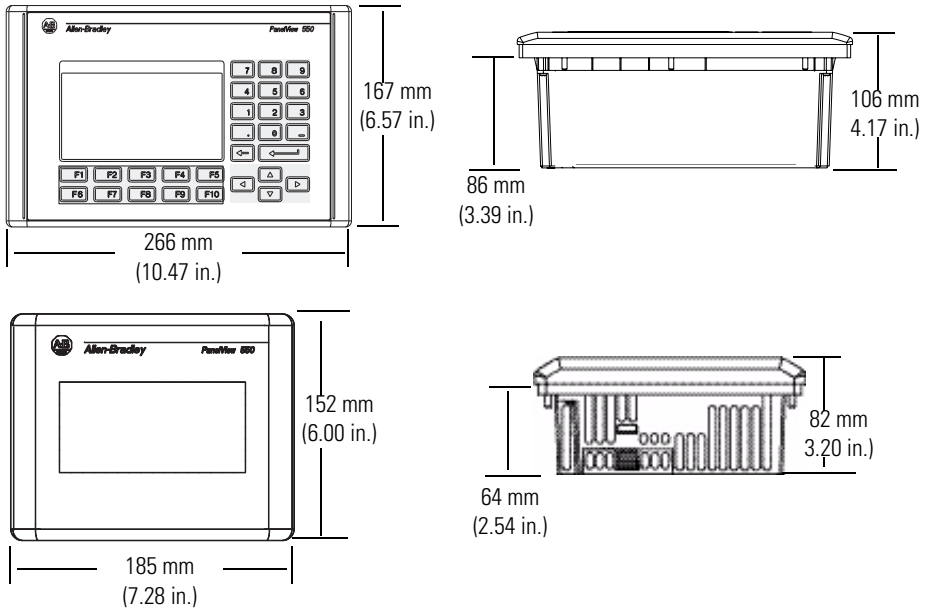


Table 10 - PanelView Standard 550 Terminals

Cat. No.			Display		Communication Ports		Memory Nonvolatile/RAM
Keypad(1) (2) (3)	**Touch(1)**	**Keypad/Touch(1)(2)(3)**	**Size**	**Type**	**Comm**	**RS-232 Print**	
2711-K5A2	2711-T5A2L1	2711-B5A2	5.5 in.	Monochrome	DH-485 (4)	No	240 KB/170 KB
2711-K5A3	2711-T5A3L1	2711-B5A3			DH-485(4)	Yes	240 KB/170 KB
2711-K5A5	2711-T5A5L1	2711-B5A5			RS-232 (DH-485)(4)	No	240 KB/170 KB
2711-K5A9	2711-T5A9L1	2711-B5A9			RS-232 (DH-485)(4)	Yes	240 KB/170 KB
2711-K5A1	2711-T5A1L1	2711-B5A1			Remote I/O	Yes	240 KB/170 KB
2711-K5A8	2711-T5A8L1	2711-B5A8			DH+	Yes	240 KB/170 KB
2711-K5A10	2711-T5A10L1	2711-B5A10			DeviceNet	Yes	240 KB/170 KB
2711-K5A15	2711-T5A15L1	2711-B5A15			ControlNet	Yes	240 KB/170 KB
2711-K5A16	2711-T5A16L1	2711-B5A16			RS-232 (DF1)	Yes (download also)	240 KB/170 KB
2711-K5A20	2711-T5A20L1	2711-B5A20			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-K5A10L1.

(2) Add L2 to the cat. no. of keypad or keypad/touch terminals to order a stainless steel terminal with AC power, for example, 2711-K5A5L2.

(3) Add L3 to the cat. no. of keypad or keypad/touch terminals to order a stainless steel terminal with DC power, for example, 2711-BFA10L3.

(4) 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-*xxx*2, 2711-*xxx*3	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-*xxx*1, 2711-*xxx*5, 2711-*xxx*8, 2711-*xxx*9, 2711-*xxx*10, 2711-*xxx1*5, 2711-*xxx*16, 2711-*xxx*17	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-*xxx*20	Ethernet cable