

Terminal Overview

Chapter Objectives

This chapter gives an overview of the PanelView Operator Terminals.

- Intended uses
- Terminal types and features
- Applications
- Configuration mode
- Terminal messages
- Printing
- Accessories and replacement parts

Intended Uses

You can use the PanelView operator terminals for a wide variety of machine control and monitoring applications.

ATTENTION



Do not use a PanelView terminal for emergency stops or other controls critical to the safety of personnel or equipment. Use separate hardwired operator interface devices that do not depend on solid state electronics. See the inside front cover of this manual for guidelines.

Terminal Types

PanelView terminals are available in a variety of options.

- Display size and type (monochrome, grayscale, color)
- Operator input (touch screen or keypad)
- Communication port (DH-485, RS-232, remote I/O, DH+, ControlNet, DeviceNet, Ethernet, EtherNet/IP, DF1)
- RS-232 printer port support

In addition, some terminals are available with:

- AC or DC power (L1 at the end of a catalog number indicates a DC terminal, for example, 2711-B5A1L1, or -T9C1L1).
- stainless steel bezel available on PanelView 550 keypad or keypad & touch terminals.

Contact your Allen-Bradley representative for availability.

Color and Grayscale Terminals

Color terminals support a fixed palette of 32 standard EGA colors. Grayscale terminals support a fixed palette of four colors (shades of gray). All color in an application is defined when the application is created. Colors are not selectable at the terminal.

PanelView 300 Monochrome Terminals

The PanelView 300 terminal is only available with 24V DC input power.

Operator Input	Communication Port				Printer Port RS-232	Catalog Number
	DH-485	RS-232 (DH-485)	DeviceNet	RS-232 (DF1)		
Keypad	x					2711-K3A2L1
		x				2711-K3A5L1
			x		x	2711-K3A10L1
				x		2711-K3A17L1

PanelView 300 Micro Monochrome Terminals

The PanelView 300 Micro terminal is available only with 24V DC input power and does not have a printer port. The PV300 Micro terminal contains a single RS-232 communication port which supports either DF1 or DH485 communication protocols as specified in the table below.

Operator Input	Communication Port		Catalog Number
	DH-485	DF1	
Keypad	x		2711-M3A19L1
		x	2711-M3A18L1

PanelView 550 Monochrome Terminals

The touch screen version of the PanelView 550 terminal is available only with 24V DC power. The L1 in the catalog number indicates DC power.

Operator Input	Communication Port								Printer Port RS-232	Catalog Number ⁽¹⁾
	RIO	DH-485	RS-232 (DH-485)	DH+	DeviceNet	ControlNet	RS-232 (DF1)	Ethernet		
Touch Screen and Keypad	x								x	2711-B5A1
		x								2711-B5A2
		x							x	2711-B5A3
			x							2711-B5A5
				x					x	2711-B5A8
			x						x	2711-B5A9
					x				x	2711-B5A10
						x			x	2711-B5A15
							x		x	2711-B5A16
								x	x	2711-B5A20
Keypad	x								x	2711-K5A1
		x								2711-K5A2
		x							x	2711-K5A3
			x							2711-K5A5
				x					x	2711-K5A8
			x						x	2711-K5A9
					x				x	2711-K5A10
						x			x	2711-K5A15
							x		x	2711-K5A16
								x	x	2711-K5A20
Touch Screen (24V DC only)	x								x	2711-T5A1L1
		x								2711-T5A2L1
		x							x	2711-T5A3L1
			x							2711-T5A5L1
				x					x	2711-T5A8L1
			x						x	2711-T5A9L1
					x				x	2711-T5A10L1
						x			x	2711-T5A15L1
							x		x	2711-T5A16L1
								x	x	2711-T5A20L1

⁽¹⁾ Add L1 to the end of the catalog number for 24V DC power.

Add L2 to the end of a catalog number for stainless steel. Not available for the touch screen terminals.

Add L3 to the end of a catalog number for 24V DC power and stainless steel. Stainless steel is not available for the touch screen terminals.

PanelView 600 Color Terminals

Operator Input	Communication Port								Printer Port RS-232	Catalog Number ⁽¹⁾
	RIO	DH-485	RS-232 (DH-485)	DH+	DeviceNet	ControlNet	RS-232 (DF1)	Ethernet		
Touch Screen and Keypad	x								x	2711-B6C1
		x								2711-B6C2
		x							x	2711-B6C3
			x							2711-B6C5
				x					x	2711-B6C8
			x						x	2711-B6C9
					x				x	2711-B6C10
						x			x	2711-B6C15
							x		x	2711-B6C16
								x	x	2711-B6C20
Keypad	x								x	2711-K6C1
		x								2711-K6C2
		x							x	2711-K6C3
			x							2711-K6C5
				x					x	2711-K6C8
			x						x	2711-K6C9
					x				x	2711-K6C10
						x			x	2711-K6C15
							x		x	2711-K6C16
								x	x	2711-K6C20
Touch Screen (24V DC only)	x								x	2711-T6C1L1
		x								2711-T6C2L1
		x							x	2711-T6C3L1
			x							2711-T6C5L1
				x					x	2711-T6C8L1
			x						x	2711-T6C9L1
					x				x	2711-T6C10L1
						x			x	2711-T6C15L1
							x		x	2711-T6C16L1
								x	x	2711-T6C20L1

⁽¹⁾ Add L1 to the end of the catalog number for 24V DC power.