PanelView 300, 550, and 600 operator interface terminals

The PanelView 300, 550, and 600 operator terminals offer electronic operator interface capabilities in a space saving, flat-panel design. The result is a compact package that's loaded with performance functionality. These terminals feature pixel graphics for enhanced operator screens. The PanelView 300 and 550 interfaces have monochrome LCD displays while the PanelView 600 has an active matrix thin film transistor (TFT) or passive matrix color display.

PanelView 300 (Monochrome)



- 3" diagonal transflective LCD (LED back-lit) monochrome display, ideal for high ambient light applications; 128x64 pixel resolution
- 8 Function keys, Numeric keypad, Cursor Control keys; 2.7" (69mm) installed depth; 100,000 hour LED backlight life
- DeviceNet, DH-485, and DF1 communications

PanelView 550 (Monochrome)



- Keypad or Keypad/Touch Screen combination
- 5.5" diagonal LCD monochrome display; 256x128 pixel resolution
- 10 Function keys, Numeric keypad, Cursor Control keys; 3.4" (86mm) installed depth

PanelView 550 Touch Only (Monochrome)



- 30% smaller than keypad version; fits in PV600 Touch Only cutout
- 5.5" diagonal LCD monochrome display; 256x128 pixel resolution
- 128 Touch Cells; 2.5" (64mm) installed depth

PanelView 600 (Color)



- Keypad or Keypad/Touch Screen combination
- 6.0" diagonal TFT active matrix color display; 320x234 pixel resolution
- 10 Function keys, Numeric keypad, Cursor Control keys; 3.6" (91mm) installed depth

PanelView 600 Touch Only (Color)

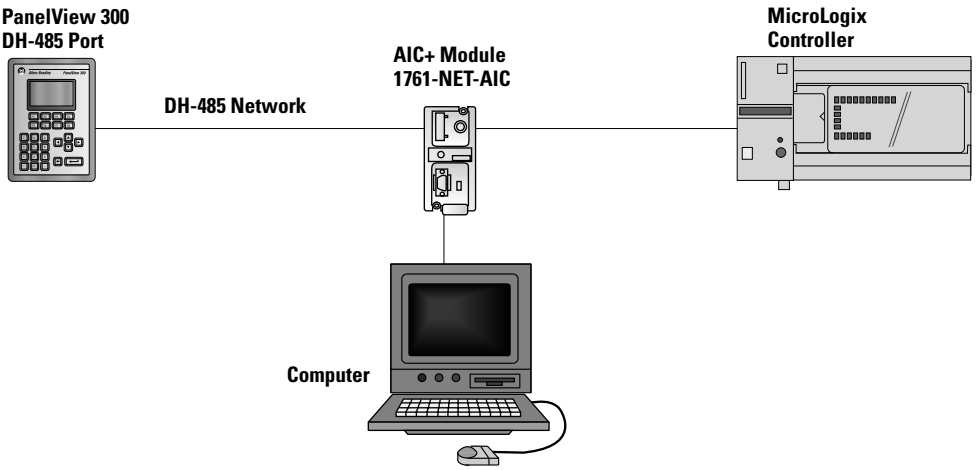


- 35% smaller than the keypad version; fits in PV550 Touch Only cutout
- 6.0" diagonal passive matrix color display; 320x240 pixel resolution
- 128 Touch Cells; 3.12" (79mm) installed depth

DH-485 Communication Option

The DH-485 terminals are capable of point-to-point communication with a single SLC 500 or MicroLogix controller, as-well-as network communication with multiple processors over the DH-485 network. Direct data table access via DH-485 minimizes the need for additional ladder logic. Application files are easily downloaded or uploaded using PanelBuilder32 over the DH-485 network or directly via the DH-485 programming port, or with a PC memory card.

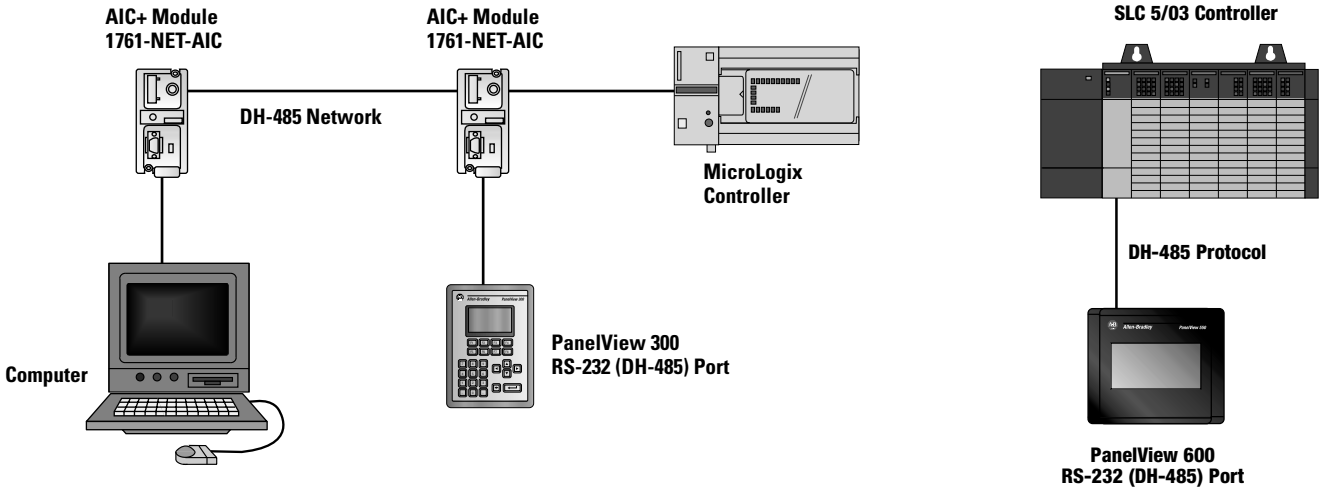




RS-232 (DH-485 protocol) Communication Option

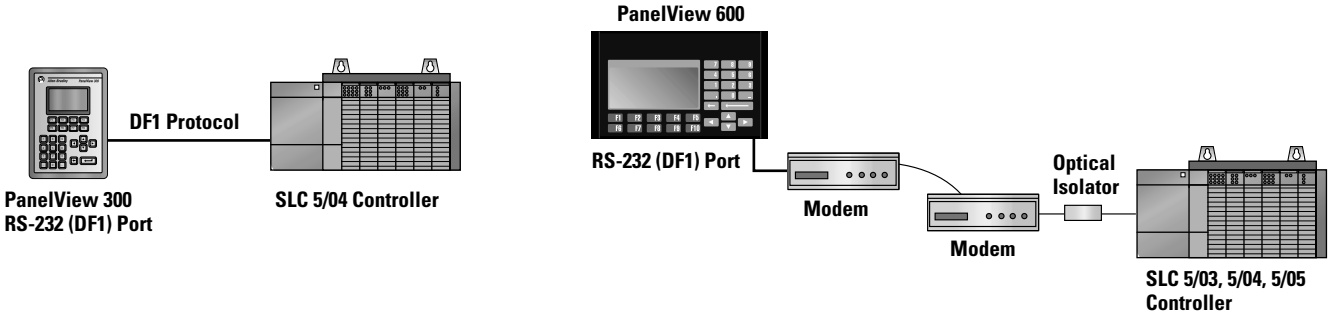
The PanelView Standard RS-232 terminals connect point-to-point to a MicroLogix controller and to the Channel '0' port of an SLC 5/03, or 5/04, or 5/05 controller using DH-485 protocol, and provides a dedicated connection for high priority data. They can also connect to a DH-485 network using the AIC+ module. Application files are easily downloaded or uploaded using PanelBuilder32 over the DH-485 network, via an SLC DH+ or Ethernet 'Pass Through' connection, directly via the on-board RS-232 printer port (select terminals) or the standard RS-232/DH-485 port (terminal disconnection required), or with a PC memory card.





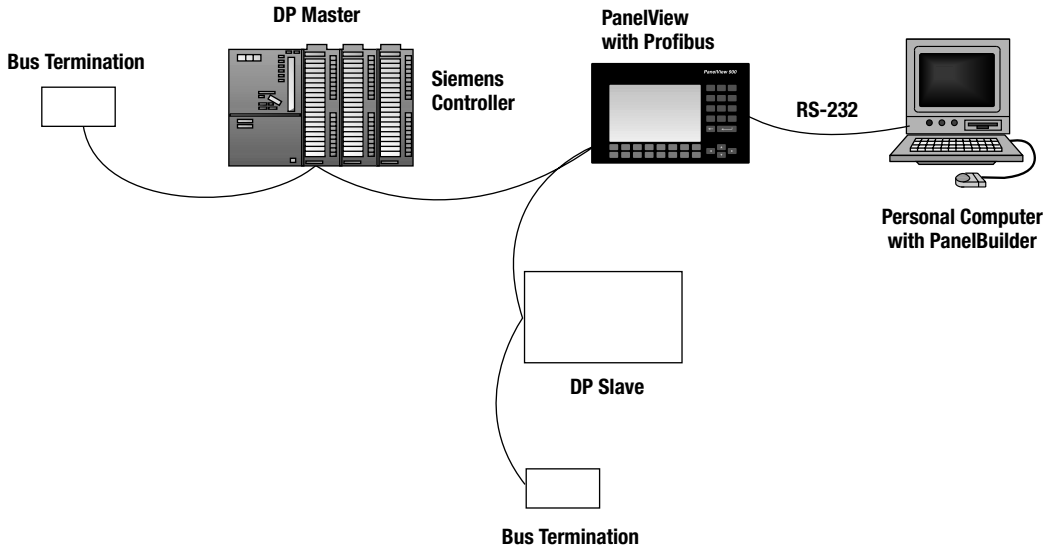
DF1 Communications Option

DF1 is a proprietary Allen-Bradley master/slave protocol used to transport data over a serial data communications RS-232, RS-422, and RS-485 interface. DF1 is used for applications requiring messaging to and from Allen-Bradley controllers and other equipment. PanelView DF1 terminals communicate with a single SLC, PLC-5, or MicroLogix controller over a point-to-point DF1 link or DF1 network (modem) connection using full duplex communication for high performance peer-to-peer communications. Application files are easily downloaded or uploaded using PanelBuilder32 via an SLC DH+ or "Ethernet® Pass-Through" connection, directly via the on-board RS-232 printer port (select terminals) or the standard RS-232/DF1 port (terminal disconnect required), or with a PC memory card.



PROFIBUS Communications Option

Profibus DP is a non-Rockwell Automation network that uses the polling principle for communication. It is a remote I/O protocol consisting of a DP Master(s) and DP slave(s). PanelView PROFIBUS terminals act as slaves on a PROFIBUS DP network. A DP Master acts as a requester of data from DP slaves. PanelView terminals and other DP slaves respond to the data requests, implementing a defined set of functions. Application files are easily downloaded or uploaded directly using PanelBuilder32 via the on-board RS-232 printer port or using a PC memory card.



Specifications

	PanelView 300	PanelView 550	PanelView 550T	PanelView 600
				
Display				
Type	Monochrome transflective LCD with integral LED backlight	Monochrome Liquid Crystal Display (LCD)	Monochrome Liquid Crystal Display (LCD)	Color Active Matrix Thin Film Transistor (TFT)
Size:	2.87" x1.67" (73mm x 42mm)	4.75" x 2.38" (120mm x 60mm)	4.75" x 2.38" (120x60mm)	4.54" x 3.4" (115mm x 86mm)
Replaceable Backlight	N/A –100,000 hour LED backlight life	Field replaceable backlight		
Operator Input	Keypad	Keypad or Combination Keypad and Touchscreen	Touchscreen Only	Keypad or Combination Keypad and Touchscreen
Touch Cells	N/A	128	128	128
Function Keys	8 (F1 - F8)	10 (F1 - F10)	N/A	10 (F1 - F10)
Real time Clock	ZBattery-backed clock timestamps critical data			
Application Memory	240K Flash (application screens)			
Electrical				
Communication Port	DeviceNet, DH-485, RS-232 (DH-485 protocol), DF1	DeviceNet, ControlNet,DH+, Remote I/O, DH-485, RS-232, (DH-485 protocol), DF1, Profibus, Modbus		
RS-232 Printer Port	1200, 2400, 9600, 19200 baud rate			
Power Requirements	AC: N/A DC: 18-32 Vdc	AC: 85-264 Vac DC: 18-32 Vdc	AC: N/A DC: 18-32 Vdc	AC: 85-264 Vac DC: 18-32 Vdc
Power Consumption	AC: N/A DC: 10 Watts max. (0.42A@24 Vdc)	AC: 45 VA max. DC: 18 Watts max. (0.75A@24 Vdc)	AC: N/A DC: 18 Watts max. (0.75A@24 Vdc)	AC: 60 VA max. DC: 34 Watts max. (1.9A@24 Vdc)
Programming	PanelBuilder32 (Windows based)			
Environmental				
Operating Temperature	0 to 55°C (32 to 131°F)			
Storage Temperature	-25 to 70°C (-13 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-25 to 70°C (-13 to 158°F)
Humidity	5 to 95%, noncondensing @ 0 to 30°C			
Ratings	NEMA Type 12, 13, 4x (indoor only), IP54, IP65			
Certifications	UL, CSA approved; Class I, Div 2 Groups A, B, C, D certified; CE marked, Demko pending	UL, CSA approved; Class 1, Div 2; Groups A, B, C, D certified; CE marked	UL, CSA approved; Class 1, Div 2; Groups A, B, C, D certified; CE marked	UL, cUL approved; Class 1, Div 2; Groups A, B, C, D certified; CE marked, Demko
Weight				
Keypad	1.484 lbs. (673 g)	2.7 lbs (1.2 kg)	N/A	4.4 lbs (2 kg)
Touch Screen	N/A	N/A	2.1 lbs. (0.93kg)	N/A
Dimensions				
Keypad	7.76" (h) x 5.51" (w) x 3.21" (d) (197mm x 140mm x 82mm)	6.6" (h) x 10.5" (w) x 4.2" (d) (167.6mm x 266.7mm x 106.7mm)	N/A	7.55"(h) x 11.40"(w) x 4.57"(d) (192mm x 290mm x 116mm)
Touch Screen	N/A	6.6"(h) x 10.5"(w) x 4.2"(d) (167.6mm x 266.7mm x 106.7mm)	5.92" (h) x 7.21" (w) x 3.2" (d) (150mm x 183mm x 81mm)	7.55"(h) x 11.40"(w) x 4.57"(d) (192mm x 290mm x 116mm)