



PanelMate® ePro™ Classic Operator Interface Models 7685T-8C, 7600C

Use with PanelMate Power Pro or ePro Canvas Configurations
OPC Connectivity Ethernet & Serial Communications

Product Focus

Introduction

The PanelMate® ePro Classic operator interface is the ideal solution for users currently using PanelMate Power Pro series products and see value in the new ePro hardware, but are not quite ready to convert their configurations to ePro Canvas applications. Since the ePro Classic supports the PanelMate PowerPro and PanelMate ePro Runtime software, users can upgrade without having to purchase any additional hardware beyond the ePro Classic unit.

The ePro Classic models are based on the corresponding PanelMate ePro models with the addition of software and licenses that allow users to run a PanelMate Power Pro application and one of three extended features — Document Viewer, Headline Manager or Recipe Manager.

ATS' ePro Classic operator interface is a high-performance, cost-effective solution that carries on the PanelMate tradition of performance in balance with ease of use. The PanelMate ePro Classic combines the flexibility of Microsoft®'s Windows® XP Embedded operating system with the stability and reliability achieved

through the solid-state hardware design and exclusive Protect Mode™ that provides protection for the operating system and software.

The ePro Classic family of products includes a display model with a choice of 10, 12, and 15-inch color TFT touchscreen display and a Blind Node (no display) model. The Blind Node provides a variety of mounting configuration options and the flexibility of connecting to different-sized external displays.

Performance and Flexibility

The PanelMate ePro Classic has the performance and flexibility of a PC based operator interface without the associated complexity of a PC on the plant floor. With integrated high-speed Ethernet, serial ports and USB ports, the ePro can be adapted for a wide variety of user requirements. In addition, the ePro supports many third-party software packages including Visual Basic® that can interface directly to the runtime application software. Support for wireless Ethernet and cell phone cards, modem cards, and a multitude of non-volatile memory

and input devices make the ePro Classic the most flexible OI device on the market.

Communications and Convenience

The ePro Classic comes standard with over 80 OPC drivers for both Ethernet and serial connectivity to virtually any PLC platform or network, as well as a wide array of drives, motion controllers and databases. No additional fees or activation are required for connecting directly to the OPC server engine and drivers. Users just load the configuration and go. Users have a wide selection of both proprietary and open network interfaces from DeviceNet™ and PROFIBUST to Data Highway® Plus, ControlNet™ and Modbus®Plus.

Protect Mode

With the built-in Protect Mode feature, users can be confident that the ePro Classic will be secure



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from unexpected changes or corruption, and that the integrity of the system will remain intact. The exclusive Protect Mode locks out all unauthorized modifications to the operating system in addition to protecting critical application programs and drivers. This means that users don't suffer from the common problems associated with industrial PCs.

Configuration Tools

Since the ePro Classic supports both the ePro and Power Pro Runtime software, users can develop applications using either the ePro Canvas development environment or the PanelMate Power Pro Configuration Editor.

When users are ready to convert to ePro Runtime, the ePro Canvas Professional software can be used to import their PanelMate Power Pro applications and convert them for use with the ePro Runtime. Once an application is converted, users can take advantage of the new tools available in the ePro Canvas software. As a result, users can easily move forward while keeping the familiar user interface that has made PanelMate the preferred operator interface worldwide.

Rugged Design/Global Standards

The PanelMate ePro Classic carries UL®, cUL® mark certification, and it meets NEMA® 4,4X, 12 and

IP65 ratings when installed in a correspondingly rated enclosure. The ePro Classic operates from 24 VDC power which is standard for global installations. An array of 24 VDC power supplies is available to accommodate installations requiring 120/240 VAC power.

Applications

Whether replacing hardwired pilot devices and pushbuttons, or providing machine control and even SCADA functions such as data archiving, recipe management and Internet browsing, the ePro Classic can fit from both a form and functional standpoint. In monitoring and diagnostic applications, as well as operator controls for critical start/stop, ramp/jog and set point adjustments, the ePro Classic offers a reliable and safe interface for a wide range of industrial applications:

- Discrete manufacturing machine diagnostics and controls
- Oil platform monitoring and control in the petroleum industry
- Central and remote water and wastewater control panels
- Monitoring and control panels for local facilities/air handling equipment
- Tire manufacturing, mixing and building processes
- Industrial and commercial power house controls; building

HVAC controls

- Material handling and palletizing monitoring and control
- Automotive press and machine parts controls

Plus many more!

General Features & Capabilities

Operator entry:

- Touchscreen interface with Resistive technology for gloved hand operation
- Pop-up, on-screen alphanumeric keypad support

Powerful OI capabilities:

- Supports ePro Canvas controls and templates
- Built-in two-touch control
- Full math and logic expressions

Communications and I/O capabilities:

- One integrated Ethernet port —10/100Base-T
- Two serial ports: one RS-232, one RS-232/422/485 optically isolated
- Four USB ports
- Built-in OPC Client/Server support

Note: There is no support for native PanelMate Power Pro drivers. Only OPC servers are supported for process communications.

| Model # | Display | Resolution | Brightness (nits) | Backlight | Overall Dimensions (inches) | Cutout Dimensions (inches) | Weight (lbs.) | Power Consumption | Current |
|----------------|------------------------------------|------------------|-------------------|----------------------------|-----------------------------|-------------------------------|---------------|-------------------|---------|
| 7600C-XPV2 | N/A | see sheet | N/A | | 9.3 x 12.0 x 3.9 | Designed for cabinet mounting | 4.5 | 20W | 1.0A |
| 7685T-8C-XPV2 | 8.4" color TFT, 16 Million Colors | SVGA (800 x 600) | 330 | LED, non-field replaceable | 7.63 x 10.51 x 3.55 | 6.50 x 9.38 inches | 6.0 | 20W | 1.0A |
| 7685T-10C-XPV2 | 10.4" color TFT, 16 million colors | SVGA (800 x 600) | 420 | LED, non-field replaceable | 12.0 x 12.3 x 4.04 | 11.02 x 11.40 inches | 10.5 | 23W | 1.2A |
| 7685T-12C-XPV2 | 12.1" color TFT, 16 Million colors | SVGA (800 x 600) | 450 | LED, non-field replaceable | 11.6 x 15.9 x 4.04 | 10.12 x 14.34 inches | 13.0 | 25W | 1.3A |
| 7685T-15C-XPV2 | 15.0" color TFT, 16 Million colors | XGA (1024 x 768) | 600 | LED, non-field replaceable | 13.5 x 18.6 x 4.1 | 12.05 x 17.01 inches | 17.0 | 27W | 1.3A |