



## PINNACLE SERIES

# PET (Pinnacle Educational Trainer)

*For low-cost full performance training and evaluation with simulated I/O*

- Same speed, communications, networking and (simulated) I/O of Pinnacle SCADA controllers
- Supports full functionality of ScadaWorks software including:
  - Networking
  - Serial Communications
  - Historical Trending and Data Logging
  - Alarming
  - Gas Flow (AGA-3, AGA-7 and AGA-8)
  - HMIs (graphical web, simple text, text messaging, synthesized voice)
- Low cost – less than half to a quarter the price of a full controller
- Simplifies software testing – no wiring of simulation sensors and control devices
- 3-year factory warranty on parts and labor



**PET** (Pinnacle Educational Trainer) is a low-cost tool for learning and evaluating the capabilities and software tools of the Pinnacle SCADA controllers and ScadaWorks software. The PET has a similar I/O configuration to the Pinnacle Lassen controller, but the Universal Analog Inputs and a pulse input are replaced with adjustable pots, and the digital inputs and outputs are replaced with switches and LED lights. Analog output signals, as well as any other register values, can be displayed in the included LCD User Interface.

PETs include a full complement of Ethernet, USB and RS-232 interfaces to duplicate typical SCADA configurations were Pinnacle SCADA controllers are used.

PETs also include the same memory (128MB) and flash disk storage (512MB) as the Pinnacle family controllers so you can fully evaluate the data logging, historical trending, web server graphical interface, and document retrieval features of the Pinnacles.

## Specifications

<b>CPU</b>	32-bit 300MHz (x86 compatible)
Technology	128MB RAM, 8KB FRAM (replaces battery backed RAM in other controllers – needs no battery)
Memory	512MB (standard), up to 4GB (optional)
Flash Disk Storage	
<b>HMI</b>	
Technology	4 x 20 character, 122 32 Graphical backlit LCD, with 6-position navigation switch and ESC button
<b>Simulated I/O</b>	
Universal Analog Inputs	4 Including mA, V, mV, thermocouples, RTDs, thermistors. Simulated by long-life shaft- encoders with detent tactile feedback
Pulse Input	1 0 to 10KHz on same input as Universal Input #4. Simulated by long-life shaft- encoders with detent tactile feedback
Discrete Inputs	6 Slide Switches
Discrete Outputs	6 LED indicators
<b>Communications Interfaces</b>	
Ethernet	1 10/100 Base-T Ethernet
Serial Ports	2 RS-232 compatible
USB Ports	2 Type A (host), USB 2.0
<b>General</b>	
Mounting	Desktop
Dimensions	6.2" (158mm)W x 6.2" (158mm)H x 1.3" (33mm)D (includes shaft encoder handles)
Power	5Vdc, 1A (120V/240V AC adapter included)

## Represented by

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