

PylonEPC : Embedded PC Controller



The Pylon EPC Controller is a general purpose, intelligent outstation designed for fast, flexible system building for mission critical control systems.

It employs an embedded PC processor handling all control, supervision and high speed streaming communication protocols, together with a modular I/O system for high integrity plant connection.

The I/O system utilises remnant latching relay outputs to maintain control states during power down and failure situations; together with fully opto isolated revertive (tell-back) inputs indicating equipment status safely. An auto-sensing switched mode PSU powers the unit from either 90-264V a.c. at 47 - 63Hz.

A comprehensive suite of S8000 internal control functions are available with facilities optimised for broadcast applications. These include: full relay and alarm control, rotatable antenna control for selectable rotator types, together with helicopter broadcast autotracking facilities accepting GPS data from popular receivers.

Features: -

- Dedicated 1U 19" industrial design, System Watchdog, Modular and Expandable.
- 32 Latching relay outputs, 64 Opto inputs, 8 Analog inputs (2 low level isolated).
- 80486 CPU, Flash Programmable Memory, 3 High speed comm ports. Personality modules for OEM I/O and PC compatible connection

Expansion Options:-

- CPU's: Options up to Pentium233.
- Connectivity: PSTN, 4W Audio, Ethernet and TCP/IP SNMP protocols.
- I/O: Up to 256 Relays, 512 Optos, 64 Analogs.
- Displays: Integral 2x20 or 640x480 LCD's, External SVGA, PAL and NTSC
- Keyboards: Integral Numeric, External Qwerty.
- Storage: Integral HDD, Compact Flash and FDD.





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PylonEPC Specification	
Dimensions:	483 x 44 x 260mm (basic 1U version) (+50mm clearance on depth required)
Format:	19" Rackmount
Supply:	90 - 264V AC @ 47-63Hz
Consumption:	50VA
Operating Temp:	5 - 45oC
RH:	0 - 95% RH (Non Condensing)
Weight:	3.0Kg
Outputs:	Relay Contacts - 24V DC @ 1A (Common group = 1A)
Inputs:	Volt free relay contacts (12V @ 5mA)
Workstation Comms:	RS232 - with options for the following: 10BaseT Ethernet PSTN modem. 4 wire via Audio channels. (XLR's @ 0dBm)
Auxilliary Comms:	RS232 or RS485 for GPS, Compass or other equipment.
Video:	- options for the following: PC SVGA monitor output NTSC composite video BNC PAL composite video BNC
Keyboard/Mouse:	PC compatible ports
Printer:	Parallel PC compatible port

Ordering Information:	
Pylon-EPC Outstation	Part No:8834-PylonEPC
Pentium 233 Option	Part No:8834-P233
PSTN Modem Option	Part No:8834-PSTN
4W Audio Option	Part No:8834-4WAUDIO
TCP/IP LAN Option	Part No:8834-TCP/IP LAN
NTSC video Option	Part No:8834-NTSC
PAL video Option	Part No:8834-PAL
SVGA Monitor Option	Part No:8834-SVGA
2x20 Display Option	Part No:8834-2x20
640x480 Display Option	Part No:8834-640x480
Numeric Keyboard Option	Part No:8834-NumKbd
Qwerty Keyboard Option	Part No:8834-Qwerty
HDD and FDD Option	Part No:8834-HDD/FDD
+32DO, 64DI, 8AI Card	Part No:8834-I/O

Note: Product revisions may vary from the details given here.

For Further Information:

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