



**West-Call® EV-32**

The Endeavor Central consists of one to four micro controller-based I/O boards and power supplies. One Endeavor I/O board supports up to 32 ports. Up to 127 I/O boards may be networked together, expanding the system to 4,064 ports. Each I/O board can support seven flash rates, eight duty station ports, and has one relay output. All boards can be field programmable and communicate using RS-485. The Endeavor Central is for use with the West-Call® Endeavor and can be configured as a Tone/Visual or Audio/Visual Nurse Call System.

- ▶ Up to four EV-I/O boards per central
- ▶ Connect up to 127 I/O boards per system
- ▶ 32 ports per I/O board
- ▶ 4,064 ports available in a fully expanded system
- ▶ Seven flash rates
- ▶ One relay output per I/O board
- ▶ Eight duty station ports available per I/O board

## VERSIONS AND MODEL NUMBERS:

STATION TYPE	MODEL NO.
West-Call® Endeavor Central with one I/O board and one power supply	EV-32
West-Call® Endeavor Central with two I/O boards and two power supplies	EV-64
West-Call® Endeavor Central with three I/O boards and three power supplies	EV-96
West-Call® Endeavor Central with four I/O boards and four power supplies	EV-128

### OPTIONS

High performance controller. Networks up to 16 EV-I/O boards and synchronizes flash rates	CNTR-1 (Programmed as MMC)
West-Call® Endeavor Configurator Kit. Used to program the I/O ports	EV-Config
EV-Port	EV-I/O Custom Configuration
Endeavor Master Station	EV NMS
Surface mount cabinet with door for the EV-96 and EV-128	TC-3624/6 and TCD-3624/S/Louvered
Flush mount cabinet with door for the EV-96 and EV-128	TC-3624/6 and TCD-3624/F/Louvered
Surface mount cabinet with door for the EV-32 and EV-64	TC-1822/6 and TCD-1822/S/Louvered
Flush mount cabinet with door for the EV-32 and EV-64	TC-1822/6 and TCD-1822/F/Louvered
Single Master Controller (CNTR1, EV-CAB), No enclosure. If adding to EV-32, 64, 96 or 128, put W/SMC after model #	EV-SMC
Endeavor Audio Module for up to four masters and eight audio paths. Includes an EMC, 1 EV-ASM/Base, and one power supply. Includes enclosure.	EV-MMC-4x8
Endeavor Audio Module for up to eight masters and 16 audio paths. Includes an EMC, 1 EV-ASM/Base, 1 EV-ASM/EXP1 and one power supply. Includes enclosure.	EV-MMC-8x16
External Audio Interface. Used for phone interfaces or other external audio interfaces. Requires an 1822/4 cabinet.	EV-ASM/EXT1

- For use with the West-Call® Endeavor system

Operating Voltage	28 VDC
Power Consumption	2 watt
Mounting Cabinet for the EV-32, 64	18"H x 22"W x 6"D, electrical enclosure or equivalent. Flush or surface mount available.
Mounting Cabinet for the EV-96, 128	36"H x 24"W x 6"D, electrical enclosure or equivalent. Flush or surface mount available.
Termination	Device identity lines terminate to mass termination connectors on I/O board. Mating connectors are Panduit CD100F22-6 connectors.
Processor	PIC16F876
Certifications	UL-1069 for US and Canada, E139082

**NOTE:** This information should not be used for final design. Consult West-Com for total system requirements. Specifications subject to change without notice.



View West-Com's complete West-Call® line of healthcare communications solutions at [www.westcall.com](http://www.westcall.com)

West-Com Nurse Call Systems, Inc.  
2200 Cordelia Road • Fairfield, CA 94534 • 800-761-1180 • [info@westcall.com](mailto:info@westcall.com)