



# Product Specification Sheet



APS788

Rev. 1 - 01/2011



**CB901EX Central Exchange (typical)**

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The central exchange/system shall be Alpha Communications®/Ring CB901EX series or approved equivalent. System shall have a maximum capacity of 240 total master and/or remote stations (per central exchange), in multiples of 8 stations. System shall have a minimum of (15) conversation paths (links), permitting up to (15) simultaneous conversations. The CB901EX central exchange can be field upgraded with the addition of subscriber card(s) and required extension rack(s). Additional talk paths (links) are also available as an optional upgrade.

The CB901EX system shall require simple 2 twisted pair home-run wiring from the central exchange to each master and/or remote station, and shall feature all-call, group call, hunt, priority, privacy, direct dialling, conference, camp-on busy, hurry-up, call-back, call-forwarding, secretary transfer, battery back-up and manual simplex override at the master station(s).

Optional features include radio paging, public address tie-in, 7 channels of program distribution, and emergency elevator annunciation.

Contractor shall observe all local and national electrical codes.

## CB901EX Series Microprocessor Intercom System

The CB901EX is a fully electronic, microprocessor controlled system, which fully satisfies the requirements for a modern and effective internal communication system. The CB901EX system is modular in concept and the central exchange can be expanded in multiples of 8 stations, up to a maximum of 240 total stations (masters and/or remotes). The central exchange has a minimum of 15 conversation paths (links), permitting up to (15) simultaneous conversations. More links can be added as an optional upgrade and multiple central exchanges can be linked together to further increase system capacity.

A variety of master and remote stations is available to meet virtually any system need.

### FEATURES

- Clear two-way communications
- Hands-free/loudspeaking
- Confidential/Softspeaking capabilities
- Manual Simplex operation at master stations
- Microphone Cut-Off
- Camp-on busy extension
- All-Call (standard)
- Simple home-run wiring - simple to install

### SPECIFICATIONS

- Power Required:** 27VDC regulated
- Internal Voltages:** +/- 12V, +1 5V, 0V
- Power Consumption:** Control Cards : approx. 25W, Subscriber Cards: approx. 2.5W (per 8 station card)
- Cable Requirements:** 1 Pair for system information/audio  
1 Pair for DC power supply
- Microprocessor:** MC68HC11
- Ambient Temp:** +10 to +35 degrees C. (+50 to +95 degrees F.)
- Line Specs:** Frequency Range: 300-5000 Hz  
Galvanic Line: 0 dBm (1mW/600 ohm)  
Speech level, idle: -12 dBm  
Speech level, max: +4 dBm  
Signaling level: -10 dBm  
Signaling frequencies CCITT specifications
- Cardshelf Dimensions:** 10.95"h x 19.0"w x 10.6"d (276mm x 482mm x 270mm)
- Max. Weight:** 80 lbs. (36.4 Kg)

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*