

**ASTRO-TAC™ 3000
EXPANSION
COMPARATOR**



FEATURES

EXPANDED CONVENTIONAL DIGITAL SYSTEM OFFERING

- Up to 64 base stations on the same channel, greatly expanding the total coverage area
- Up to 2 Digital Interface Units allowing the ability for dual dispatch support with prioritization
- Sophisticated voting algorithms help enhance received audio quality in weak signal areas by selecting and mixing inputs from multiple receivers
- Compatible with Motorola stations and receivers designed to meet Project 25
- Supports voting, multi-cast, and simulcast of ASTRO digital voice, data, and control signals in conventional systems (Simulcast configurations require a one pulse per second absolute time reference input from a local GPS receiver)
- Integrated software design allows features and system configurations to be selected by simply ordering the appropriate software options
- Software intensive design allows for system migration and feature upgrades via software download
- Radio Service Software (RSS) Programming and built-in diagnostics aid testing and trouble shooting

OPTIONS

FLEXIBLE EXPANSION OPTIONS

- Up to 32, 48, 64, base station port options
- Battery charger and emergency reverting
- DC only operation
- Ships standard in 60" H x 22" W x 20" D (102 lbs.) cabinet



GENERAL SPECIFICATIONS

Digital Signaling Rate	9.6 Kbps
RF Channel Bandwidth Supported	12.5 kHz (narrowband); 25/30 kHz (wideband)
Full Duplex I/O Ports	Conventional: up to 64 base station ports and 2 Digital Interface Unit ports
Temperature Range (Ambient)	-30°C to +60°C
Weight	≤55 lbs. per chassis (without cabinet)
Card Cage Dimensions	8.75"H x 19"W x 15"D
Cabinet Dimensions/Weight Standard	60"H x 19"W x 15" D (102 lbs.)

ELECTRICAL

Standard Power Supply	265 Watt Switching Power Supply, 90-280 VAC, 47-63 Hz
Battery Revert	10.8-16 VDC
Current Drain per chassis	
8 Port Configuration	0.75 amps @ 120 VAC, 7.5 amps @ 12 VDC, 1.9 amps @ 48 VDC
16 Port Configuration	1.5 amps @ 120 VAC, 15 amps @ 12 VDC, 3.8 amps @ 48 VDC
V.24 Interface	RS232 Synchronous Serial

TIMING

Digital Voting Rate	Up to 50 votes per second
Throughput Delay	= 115 ms (Expanded)



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