

SAFE-1030

Multi-Band Public Safety Distributed Antenna System



Flexible BDA for multi-band signal amplification.

- Supports multiple frequency bands in a single cabinet.
- Modular channel cards simplify system expansion and servicing.
- Digital filtering delivers clear, reliable signal coverage.
- Available in compact and large cabinet configurations.
- Compatible with battery backup units and remote annunciators.
- UL 2524 certified. FCC ID 2AKSM-SAFE2.



Specifications

Frequency Bands	UHF, VHF, FirstNet, 700, 800, and 900 MHz (configuration dependent)
Channel Capacity	Small Enclosure: Up to 10 channel cards Large Enclosure: 20 channel cards
Digital Filters	17 filter pairs, expandable in sets of 34 (17 pairs)
Gain Control	60 dB in 1 dB steps
Gain Range	50 - 90 dB (typical)
RF Output Power	700/800 MHz: 30 dBm $\pm$ 2 dB UHF: 28 dBm $\pm$ 2 dB VHF: 27 dBm $\pm$ 2 dB
RF Input	-10 dBm maximum (no damage)
Operating Temperature	14 - 122°F (-10 - 50°C)
Enclosure	NEMA 4
Cabinet Sizes	Small: 15" $\times$ 12" $\times$ 6.7" Large: 19" $\times$ 18" $\times$ 6.7"
Weight	Small: 25 lbs (typical) Large: 40 lbs (typical)
Power Requirements	9 - 12 VDC from battery backup unit (120 VAC optional)
Power Consumption	100 W max peak, 40 W average
Alarm Outputs	6 NFPA alarms, oscillation alarm, remote annunciator communication alarm, door alarm

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