

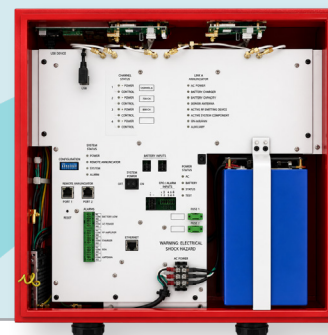
SAFE-1050

Integrated Public Safety Distributed Antenna System



Compact BDA combining signal amplification and backup power.

- Available in single-band and dual-band configurations.
- Modular channel cards simplify system expansion and servicing.
- Integrated LiFePO₄ backup power reduces cabinet size and weight.
- Single-cabinet design simplifies installation and saves space.
- Digital filtering delivers reliable in-building signal coverage.
- UL 2524 certified and FCC ID 2AKSM-SAFE5.



Specifications

	Single Band	Dual Band
Frequency Bands	700 or 800 MHz	700 and 800 MHz
Power Supply / Consumption	120 VAC / 32.5 Watts (nominal)	120 VAC / 44.6 Watts (nominal)
Output Power Per Band (Max. Power Consumption)	29 dBm	32 dBm
Digital Filters	16/23 (Up to 64 filters are available when 2 DFA modules are installed at the factory)	
Channel Card Input Frequency Range	700 Uplink: 799 to 805 MHz 700 Downlink: 769 to 775 MHz 800 Uplink: 806 to 816 MHz 800 Downlink: 851 to 861 MHz	
Alarms	6 NFPA 1225 2025 Required Alarms, Oscillation Alarm, Door Alarm, Alarm to Indicate a Lost Data Connection to the Remote Annunciator	
Gain Control	30 dB (+/- 1 dB Steps)	
Gain Range / Squelch Range / AGC Range	80 dB Standard (90 dB Optional) / -85 to -50 dBm / 60 dB	
Dimensions	19.0" x 18.0" x 6.7"	
Weight	50 lbs	
Enclosure	NEMA 4	

AVIRE

N56W24720 N Corporate Cir., Sussex, WI 53089

800-451-1460

sales.us@avire-global.com

avire-global.com/en-us

Part Numbers (Class A)

	0.5 Watt	1 Watt	2 Watt
700 & 800 MHz 1 DFA 16 Frequency Pairs	SAFE-1050-0E7A8A	SAFE-1050-1E7A8A	SAFE-1050-2E7A8A
700 & 800 MHz 2 DFA 32 Frequency Pairs	SAFE-1050-0F7A8A	SAFE-1050-1F7A8A	SAFE-1050-2F7A8A
800 MHz 1 DFA 16 Frequency Pairs	SAFE-1050-0E8A	SAFE-1050-1E8A	SAFE-1050-2E8A
700 MHz 1 DFA 32 Frequency Pairs	SAFE-1050-0E7A	SAFE-1050-1E7A	SAFE-1050-2E7A
700 MHz 2 DFAs 32 Frequency Pairs	SAFE-1050-0F7A7A	SAFE-1050-1F7A7A	SAFE-1050-2F7A7A
800 MHz 2 DFAs 32 Frequency Pairs	SAFE-1050-0F8A8A	SAFE-1050-1F8A8A	SAFE-1050-2F8A8A
700 & 800 MHz 2 DFAs 32 Frequency Pairs 2 Service Ports	SAFE-1050-0D7A8A	SAFE-1050-1D7A8A	SAFE-1050-2D7A8A