

Features

- Provides improved coverage for Public Safety 700 MHz bands for coverage up to 80,000 sq ft
- Linear Design increases number of simultaneous users to 100+ per band
- Features built-in SureCall Sentry remote monitoring system with Ethernet port
- Integrated 7-pin alarm and UPS port for 24 VDC battery backup power
- Meets Chapter 24 Emergency Communications System of NFPA 72
- NEMA 4 rated amplifier housing. No additional NEMA enclosure(s) needed
- Energy-saving operation allows bands to remain dormant when not in use
- Automatic gain control (AGC) and Oscillation Detection/Mitigation
- Independently adjustable frequency attenuation for uplink and downlink
- Reduce gain in 1 dBm increments



Electrical Specifications

Frequency Range, Uplink	798-806 MHz
Frequency Range, Downlink	768-776 MHz
Channel Bandwidth	
Number of Channels	32
Maximum Output Power, Uplink	24 dBm
Maximum Output Power, Downlink	27 dBm
Maximum System Gain	80 dB
Gain Adjustment Range (1 dB step)	31 dB
Pass Band Ripple, p-p	≤5 dB
Noise Figure	≤8 dB
VSWR	≤ 2.0
Maximum RF Output Power	24 dBm / 27 dBm
Supported Standards	Public Safety 700
Absolute Maximum RF Input Power	
Impedance	

Technical Specifications

Dimensions	21.5 x 17 x 6 inches
Enclosure cooling	Convection
Environmental Class	NEMA 4
Operating Humidity	95%
Operating Temperature	-4°F to +131°F
Power Consumption	50W
Power Supply	AC 110 V, 60 Hz
RF Connections	N Female
Weight	49.6 lbs

 WARNING

THIS IS NOT A CONSUMER DEVICE. IT IS DESIGNED FOR INSTALLATION BY FCC LICENSEES AND QUALIFIED INSTALLERS. USERS MUST HAVE AN FCC LICENSE OR THE EXPRESS CONSENT OF AN FCC LICENSEE TO OPERATE THIS DEVICE.

UNAUTHORIZED USE MAY RESULT IN SIGNIFICANT FORFEITURE PENALTIES, INCLUDING PENALTIES IN EXCESS OF \$100,000 FOR EACH CONTINUING VIOLATION.

Part 90 Signal Boosters. THIS IS A 90.219 CLASS A DEVICE.

Ordering Information

Model	Description	Stock No.
Guardian QR700-G2	Public Safety Band Signal Booster BDA	3996237