

## 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 external battery backup
- 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)
- 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 | Public Safety Band Signal Booster BDA | 3996126   |