

Public Safety BDA

Dual Band

A Dual Band BDA system that supports public safety wireless services indoors. Base configuration Class B, 1 Watt DL.

- PS-LTE (first-net™) support
- P25-Phase2 TDMA support
- Supports 700 MHz / 800 MHz Dual Band
- BDA supports wall or rack mounting
- PS BDA power and class software upgradeable
- Max downlink power: 37 dBm (5 watt) per band
- Max uplink power: 27 dBm (0.5 watt) per band
- 32 channels narrow-band digitalized filter per band
- 4 channels wide-band digitalized filter per band
- Input overdrive protection & output auto gain control (AGC)



UL2524 Certified

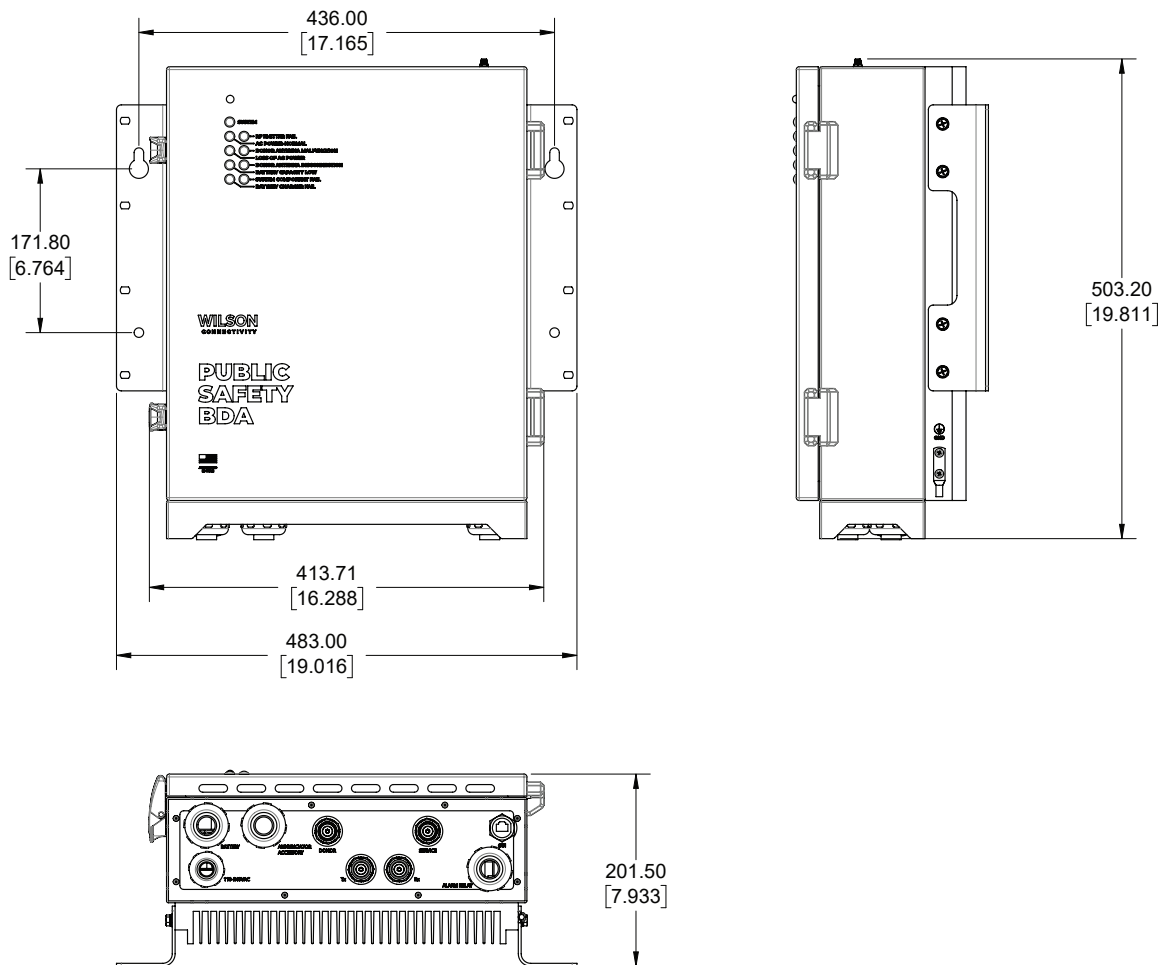


Mechanical Specifications	
Model	770001 (no modem) 771001 (with LTE modem)
Color	Powder Coat Matte Red
Enclosure	IP66 / NEMA4 / Natural Convection
Dimensions	14.88 x 19.48 x 7.0 (in.) / 378 x 495 x 178 (mm)
Weight	66.13 (lbs.) / 30 (kg) (without bracket)
Mounting	Wall Mount or Rack Mount
Donor / Service Port	4.3-10 Female (antenna)
Tx / Rx Port	4.3-10 Female (DAS)
Modem Port	SMA Female (for LTE Modem)
Ethernet Connector	RJ-45
Dry Contacts Connector	BR-762C
AC Input Connector	DG126-5.0-05P-14
Battery Connector	DG126-5.0-03P-14



Detailed Specifications	
Input Dynamic Range Downlink	-53dBm ~ +7dBm
Input Dynamic Range Uplink	-53dBm ~ +7dBm
User Settable Gain Range	60dB ~ 90dB (downlink) 50dB ~ 80dB (uplink)
Gain Adjustment Range	30dB / 1dB steps
Gain Adjust Accuracy	±1dB
Input AGC Dynamic Range	60dB
Absolute Max RF Input Power without Damage	+10dBm
Max RF Input Power with Normal Operation	+7dBm
Noise figure	< 6dB (uplink)
Pass Band Ripple	3dB (max)
EVM & LTE	≤ 4.0% @LTE
Frequency Stability	≤ ±0.01ppm
Squelch Threshold	-90dBm ~ -60dBm
VSWR	≤ 1.5:1
Spurious Emission	≤ -13dBm (FCC Title 47 Part 90.219)
Intermodulation	≤ -13dBm
Characteristic Impedance	50Ω
Coupling Port Output	-30dBm ±1.5dB
Rated AC Power Input	110 ~ 240VAC, 50/60Hz
Rated DC Battery Input	24VDC (12VDC Battery * 2)
Frequency Stability	< 250W
Operating Temperature	-30 ~ +50°C (-22 ~122°F)

BDA Software Keys to Unlock Functionality	
SKU# 770050	700 / 800 MHz Class B-3W License
SKU# 770051	700 / 800 MHz Class B-5W License
SKU# 770052	700 / 800 MHz Class A-1W License
SKU# 770053	700 / 800 MHz Class A-3W License
SKU# 770054	700 / 800 MHz Class A-5W License
SKU# 770100	700 MHz FirstNet Support Enablement License



3 Year Warranty from Purchase

