PUBLIC SAFETY SOLUTIONS BY WILSON CONNECTIVITY

## Connected and ready for any challenge.

Critical communication solutions for in-building connectivity.



CONNECTIVITY



ASSEMBLED IN UTAH

CONTACT US +1-866-294-1660 support@wilsonconnectivity.com

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## 700/800 MHz BDA for Public Safety

Uplink [MHz]

Center

793

802

815

- 700/800MHz Class A/B
- Max downlink power: 5W (37dBm DL per band)
- 32 digital filters per band
- Isolation protection and oscillation detection
- Dry-contact alarm relay for FACP .
- Remote annunciator (local LED annunciator included) •

Downlink [MHz]

Center

763

772

860

Downlink

60dB ~ 90dB

High

768

776

869

30dB/1dB steps

±1dB

110 ~ 240VAC, 50/60Hz

24VDC (12VDC Battery \* 2)

< 250W

Low

788

799

806

Uplink

+27dBm±1.5dB

+27dBm±1.5dB

Uplink

50dB ~ 80dB

Low

758

769

851

Downlink

+37dBm±1.5dB

+37dBm±1.5dB

- WEB-based GUI
- SNMP V2C and V3
- Integrated battery charger
- Integrated modem for connectivity •
- Passively cooled—no fans

Frequency Range and Service Type

Frequency

700MHz

700MHz

800MHz

700MHz and 800MHz Common Specifications

Service Band

First Net

P25

P25

**Operating Output Power** 

Service Band 700MHz

Parameter User Settable Gain

Range Gain Adjustment Range

Gain Adjust Accuracy

Rated AC Power Input

Rated DC Battery Input

Power Consumption

800MHz

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WILSON PUBLIC SAFETY BDA	a a •
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		Digital Filter Specifications			
z]		Service Band		Specifications	
High		Number of Channel Filter	Class A	32 Channels per Band	
798			Class B	4 Channels per Band	
806		Channel	Class A	12.5kHz, 25kHz, 50kHz, 70KHz, 100kHz, 150kHz	
824	Bandwidth	Class B	0.25MHz, 0.5MHz, 1MHz, 2MHz, 3MHz, 6MHz, 7MHz, 10MHz		

Mechanical Specifications				
Parameter	Specifications			
Size(W*H*D)	14.9 x 19.5 x 7 in (378 x 495 x 178mm)			
Weight	≤ 66 lbs (≤ 30kg)			
Mounting	Wall-mount or Rack Mount			
Certifications	UL50E / UL2524 / NEMA4X / FCC Part 90			
DONOR / SERVICE PORT	4.3-10 Female			
Tx / Rx PORT	4.3-10 Female			
MODEM PORT	SMA Female			
Ethernet Connector	RJ-45			
Operating Temperature	-30°C ~ +50°C			
Operating Humidity	5% ~ 90% (RH Non-condensing)			

## Fiber Distribution for Public Safety

- Covers all Public Safety Frequencies
  - VHF
  - UHF
  - 700/800MHz P25
  - Band 14
- UL2524 rated solution
- Compatible with any standard 19" equipment rack •
- Comprised of several components: .
  - Hub Unit Enclosure
  - Battery Unit Enclosure
  - Remote & IP66 Enclosure
- Hubs mount vertically in enclosure •
- Redundant fans for temperature control •
- Entry points for coax, power, alarming, etc. .
- Integrated alarm annunciator •
- 2 hour, 12-hour, 24 hour battery back-up options .

Enclosure Specifications							
Dimensions	19.52 x 34.72 x 25.00 in (496 x 882 x 640.6 mm)						
Certifications	UL50E / UL2524 / NEMA4X / FCC Part 90						
Components							
Hub	Enclosure	790001					
Prin	nary Hub	305-0001					
Secon	dary Hub(s)	305-1004					
Powe	er Inverter	780002					
Pov	ver Plant	780001					
Batter	y Enclosure	791001					
Optical	Remote Unit	305-1007-R					
(Deeline in end)							

(Preliminary)









