PUBLIC SAFETY SOLUTIONS BY WILSON CONNECTIVITY

Connected and ready for any challenge.

Critical communication solutions for in-building connectivity.



CONNECTIVITY



ASSEMBLED IN UTAH

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> SCAN TO LEARN MORE







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)









