

## RX-7W22 PS 700MHz/800MHz BDA

## Features

- Dual-band configuration supports 700MHz and 800MHz public safety bands
- Each band supports up to 32 channels
- 2W output power for each band
- Channelized Auto Gain Control (AGC) supported
- Channelized uplink squelch supported
- Web based GUI for intelligent configuration, SNMP supported
- Built-in mandatory isolation test to prevent BDA oscillation
- NFPA compliant dry contact alarms, NEMA 4 enclosure
- FCC ID: PX8RX-7W22

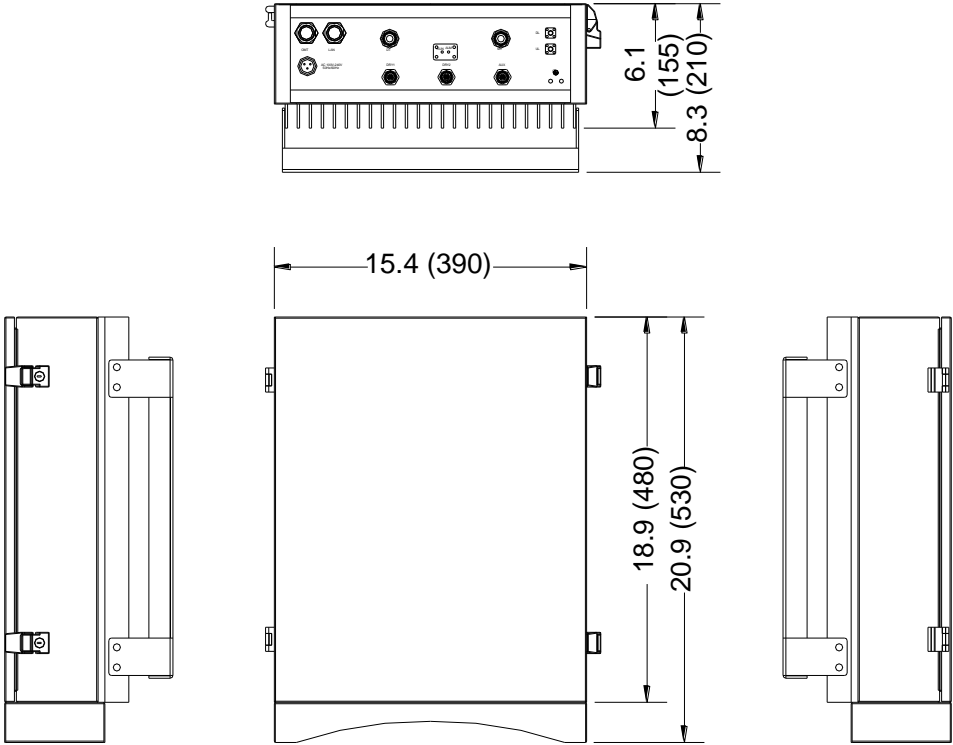


## Specifications

Electrical			700MHz	800MHz
Frequency Range, Uplink	MHz		798-806	806-824
Frequency Range, Downlink	MHz		768-776	851-869
Channel Bandwidth	KHz		12.5/25	12.5/25
Number of Channels			32	32
Total Output Power, Uplink	dBm		25	
Total Output Power, Downlink	dBm		33	33
Maximum System Gain	dB		90	90
Gain Adjustment Range (1dB step)	dB		0-30	0-30
Pass Band Ripple, p-p	dB		≤ 5	≤ 5
Uplink Noise Figure	dB		≤ 5	≤ 5
System Group Delay	μsec		≤ 35	≤ 35
Intermodulation	dBm		≤ -13	≤ -13
Out-of-Band Suppression( Delay :35μsec)	at ± 50KHz	dBc	≥ 20	≥ 20
	at ± 70KHz	dBc	≥ 40	≥ 40
	at ± 1MHz	dBc	≥ 60	≥ 60
Spurious	9kHz to 1GHz	dBm	FCC Compliance	FCC Compliance
	1GHz to 12.75GHz	dBm		
Absolute Maximum RF Input Power	dBm		-10	-10
Input VSWR			≤ 1.5	≤ 1.5
Impedance	Ω		50	50
Mechanical				
Dimensions, H x W x D	in(mm)		20.9 x 15.4 x 8.3 (530 x 390 x 210)	
Weight without Bracket	lb(kg)		50.7 (23)	
Power Supply	VAC		100-240/47-63Hz	
Power Consumption (approx.)	Single band	W	80 Single band	
	Dual band	W	100 Dual band	
Enclosure Cooling			Convection	
RF Connectors			N-Female	
Operating Temperature	°F (°C)		-27 to +140 (-33 to +60)	
Operating Humidity			≤ 95%	
Environmental Class			NEMA 4	

Note: Typical specifications at room temperature,

Outline Drawing



Part Numbers

Product Type	P/N
Class A	
Single band 700MHz	RX7W22-07-H32V0P33A92
Single band 800MHz	RX7W22-08-H32V0P33A92
Dual band 700/800MHz	RX7W22-78-H32V0P33A92
700MHz license	RX7W22-L7-H32V0P33A92
800MHz license	RX7W22-L8-H32V0P33A92