

Product Specifications

Operating Frequency

FCC Part 15 Section 255

Low transmit 58.1 GHz

High transmit 62.9 GHz

Occupied bandwidth 1.4 GHz

Frequency Division Duplex (FDD)

Modulation/Coding

BFSK

Reed-Solomon (204,188) FEC

Link Budget

162dB @ 10^{-12} BER

External Antenna

Type directional cassegrain

Polarization linear (vert. or horiz.)

Gain 46 dBi

Fine-adjust (azimuth and elevation) 4.5" pole mount

Ethernet Interface

1000Base-SX with LC connectors

Up to 1522-byte 802.1Q VLAN tagged frames

< 50 microseconds latency

Multimode fiber cable lengths:

62.5/125 μ m	270 meters (max.)
50/125 μ m	500 meters (max.)

Power

Indoor supply input 110/220 Vac

Indoor supply output +24 Vdc

Power consumption 40 watts (max.)

Power cable length: 125 meters (max. w/14AWG)
250 meters (max. w/12AWG)

Mechanical

Size (mounted): 62w * 62h * 50d (cm)

Weight: Radio unit 4.5 kg

Antenna 7.5 kg

Pole mount 3.8 kg

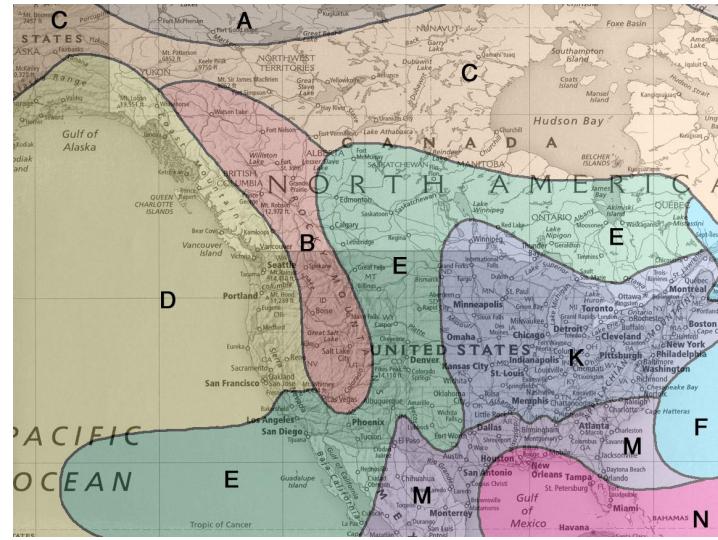
Environmental

Operating temperature -30 to +50 deg C
Altitude 4,500 meters (max.)

Installation

Includes $\frac{3}{4}$ " liquid tight non-metallic conduit adapter
Receive signal level and link quality voltage test points
Minimum link distance: 160 meters

North American Rain Zones (ITU Model)



Maximum Link Distance (Meters)

Rain Zone	Required Link Availability		
	99.9%	99.99%	99.999%
A	1820	1680	1500
B	1790	1580	1340
C	1760	1520	1250
D	1670	1450	1160
E	1730	1400	1110
F	1670	1320	1030
K	1580	1170	910
M	1400	1010	800
N	1190	850	690

BridgeWave Communications

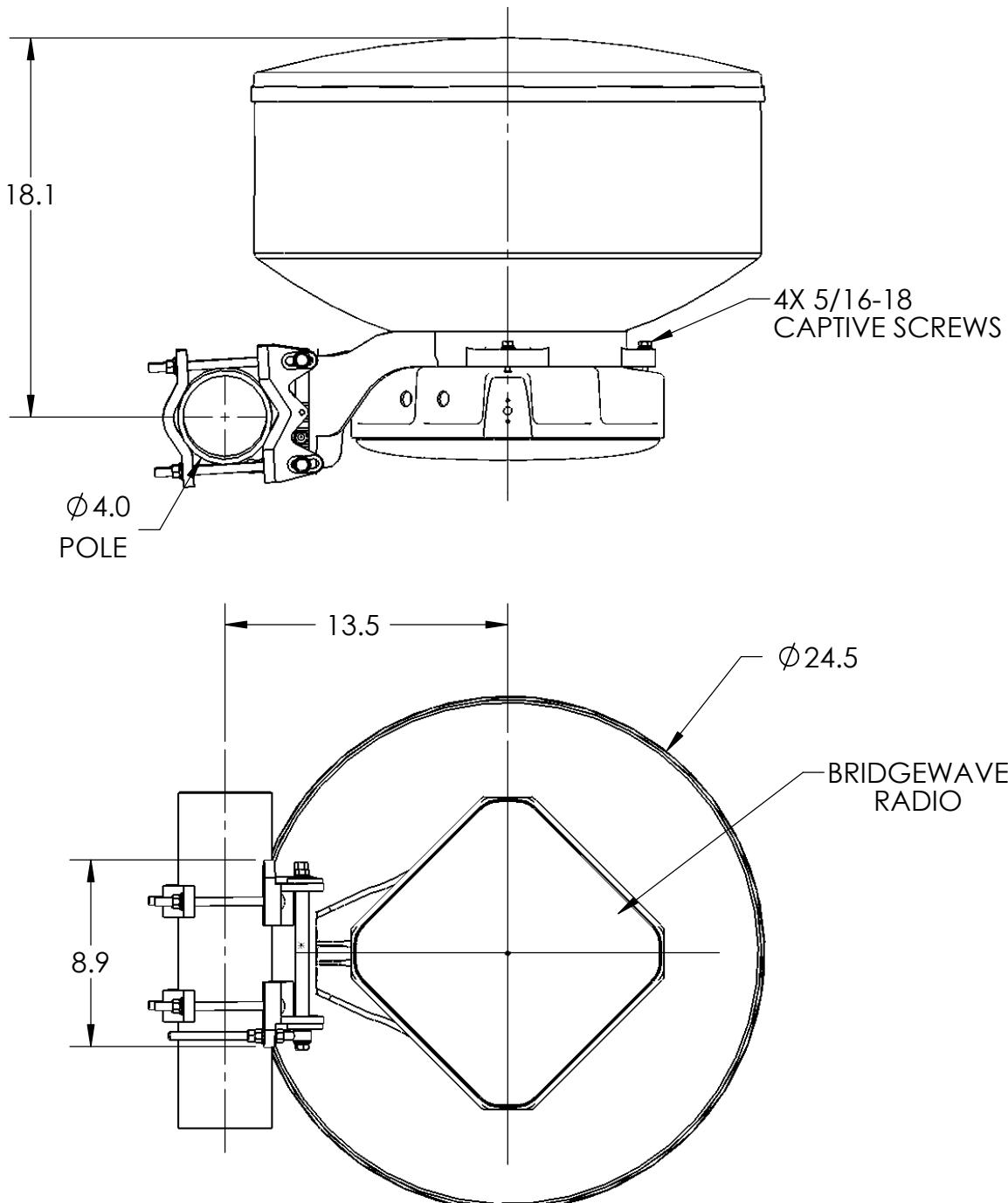
3350 Thomas Road

Santa Clara, CA 95054 USA

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sales@bridgewave.com

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	INITIATED DRAWING	050526	



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	XX = $\pm .020$	XXX = $\pm .005$	CHECKED	.	.		
	MATERIAL SEE NOTES	FINISH SEE NOTES	MECH APPR.	.	.		
			ELEC APPR.	.	.		
	MFG APPR.	DO NOT SCALE DRAWING	COMMENTS:				
	SIZE		DWG. NO.				
	A		HP2-60B	REV. -			
	SCALE:1:16		WEIGHT:	SHEET 1 OF 1			