

Specifications

Frequency bands	1/3/5/7/8/20/28L/28U/40
Relay Channel Bandwidths (MHz)	5/10/15/20
Networks	2G/3G/4G/5G
Network Protocols	GSM/WCDMA/LTE/DSS/NR
Network Selection	Automatically best available (WAVE App for manual setting)
Duplex Modes	FDD & TDD
# of Relay Bands (MHz max.)	2
Relay Bandwidth (MHz max.)	20 + 20
Output Downlink Power (All Bands) (dBm max.)	20 (16 in U.K.)
Output Uplink Power (Bands 1/3/5/7/40) (dBm max.)	22
Output Uplink Power (Bands 8/20/28L/28U) (dBm max.)	20
System Gain (dBm max.)	100
Enterprise-Grade Echo Cancellation (dB min.)	30
Return Loss (dB typ.)	-8
Impedance (Ω nom)	50

Bands

Frequency Bands	Downlink (MHz)	Uplink (MHz)	Max. Relay BW (MHz)
1	2110-2170	1920-1980	20
3	1805-1880	1710-1785	20
5	869-894	824-849	20
7	2620-2690	2500-2570	20
8	925-960	880-915	15
20	791-821	832-862	20
28L	758-788	703-733	20
28U	773-803	718-748	20
40	2300-2390	2300-2390	20

Interface

Donor RF Connector	SMA (f)
Server RF Connector	SMA (f)
DC Input	5.5 x 2.5 mm (f) Barrel
Device setup	Bluetooth for WAVE App
Power & System Status	Bi-color LED (Green/Red)
LAN Status	Bi-color LED (Green/Red)
Factory Debug	Only USB 2.0 Micro-B
System Management & SW Updates	WAVE App for iOS 11.0 or later WAVE App for Android WAVE App for Desktop

Compliance

3GPP	TS 25.143 Rel 13 3GPP TS 36.143 Rel 13
CE	Compliant RED 2014/53/EU
RoHS3	EN 63000: 2018
OFCOM	VTS 2102
ACMA/RCM	AS/NZS CISPR, 32:2013
Bluetooth	LE Ver 4.2

Power Supply

Power Consumption (W max.)	30
Power Supply Plug	Type C (EU) or Type I (AUS) or Type G (UK)
Power Supply Cable	18 AWG
Power Supply Cable Length (ft(m))	6 (1.85)

Environmental

Operating Temperature (°F(°C))	32 to 104 (0 to 40)
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Storage Temperature (°F(°C))	-31 to 158 (-35 to 70)
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Heat Dissipation	Passive Convection
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Surface Temperature (°F(°C) max. at ambient)	111.2 (44)
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Non-condensing Humidity (%)	0 to 95
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Ingress Protection Rating	IP20 Indoor Only
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