



The SkyWay-EB3 95GHz ULL W-Band PTP Link is a modified version of the EB 70/80GHz ULL PTP links. The channel plan is designed to comply with the FCC 95GHz regulations for a fully symmetric 1Gbps operation using 700MHz BW. The latency figure for each pass is drastically reduced to 100ns, best-in-class for millimeter systems using less than 1GHz BW.

A custom channel plan with certain restrictions can be implemented per customer request at the factory.

The radios can be managed via built-in management module without adding any latency. The user will have monitoring and configuration capabilities of operating parameters via GUI.

Antennas of 1FT and 2FT sizes are available. These custom antennas are optimized for operation at 92 - 95GHz.

## SYSTEM SPECIFICATIONS

Frequency Range	92-94 GHz (Low) and 94.1-95.0 GHz (High)
Default Channel Plan	Default Channel: 92-92.7GHz (Low) / 94.3 – 95GHz (High) Custom config possible with TR spacing > 1GHz
Data Rate and Channel Size	1Gbps FDD, using 700MHz BW
Modulation	8-PSK
RF / Baseband VSWR	2:1 typ.
Tx Radio Output	High power Tx, +25 to 28dBm at the antenna port
Noise Figure	10dB typ.
Rx Sensitivity	-60 dBm Typ.
Data Rate	1Gbps Full Duplex
RF Port	WR-10
Signal Interface	MMF/SMF LC fiber 1G SFP
Power Interface	POE 802.3at or passive, or DC connector (48V DC)
Power Input	POE 802.3bt compatible or 48V DC
Radio Dimensions	232x202x112mm
Antenna Dimensions	328x328x265mm (1FT ant), 620x620x265mm (2FT ant)
Weight	6.2kg (13.6 lbs) with 1FT ant, 12.2kg (26.9 lbs) with 2FT ant

## MANAGEMENT

System parameters	IP address configuration and monitoring, temperature monitoring
RF parameters	Tx power On/Off, RSS level monitoring
Alarm	RSS threshold, temperature threshold, Receive lock, SFP signal loss
Loopback Test	Future hardware release