



## XLINK 3510: Indoor 5G O-RAN RU

XL3510 - 4T4R Outdoor 5G base station.

### OVERVIEW

XL-3510 delivers 100 MHz of instantaneous bandwidth, with up to 250 mW of output power per transmitter path, total transmitter power 1W and is fully compliant with the O-RAN interface specification, supporting 7.2 split fronthaul network configurations. It comes equipped with 1 x 10 Gigabit SFP+ port for fronthaul network interfacing, and the built-in antennae supports 4T4R MIMO operation. Power-over-Ethernet (PoE) feature enables flexible & simplifies indoor installation



### Key Features

- Maximum output power: 4 x 250mW
- OBW:100MHz
- Supports O-RAN split 7.2/ CPRI interface
- MIMO 4T4R, Built-in Antenna
- Power-over-Ethernet (PoE) feature enables flexible & simplifies indoor installation
- Wall mount and Pole mount options

### SPECIFICATION

Category	Description
Standards	3GPP TS 38.104, O-RAN Option 7-2x Category A, O-RU C/ U/ S/ M* plane
Duplex mode	TDD
Frequency band	5G n48 CBRS : 3.550MHz~3.700MHz
Bandwidth	100MHz

\*M-Plane will be available at 24'Q1

Category	Description
Capacity	MIMO: 4T4R
Max. transmit power	250mW (24dBm) per channel
Antenna	Built-in antenna
Channel raster	30KHz
Network Interface	10G SFP+ / eCPRI x1 for Fronthaul
Synchronization	1588v2
Signal optimization	DPD, CFR



Modulation EVM (%)	QPSK<17.5 %
	16QAM<12.5 %
	64QAM<8.0 %
	256QAM<3.5%
ACLR	<-45dBc @100MHz
	<-45dBc @200MHz
Frequency accuracy	+/-0.1ppm
UL sensitivity	<-87dBm based on A1-5 (best performance is -91 dBm)
spurious emissions	Spurious frequency range
	9 kHz – 150 kHz<-36dBm@1KHz
	150 kHz – 30 MHz<-36dBm@10KHz
	30 MHz – 1 GHz<-36dBm@100KHz
	1 GHz – 12.75 GHz<-30dBm@1MHz
	12.75 GHz – 5th harmonic of the upper frequency edge of the DL operating band in GHz <-30dBm@1MHz
Dimension	220 x 220 x 65 mm
Weight	3kg
Mount kit	Wall and pole mounting
Power supply	PoE++
Power consumption	60W maximum
Heat dissipation	Fanless
MTBF	>100,000 Hours
Ingress protection	IP30
Operation temperature	0°C ~ +40°C
Operation humidity	5% ~ 95%