

MPR MPT-HL Product Description

The 9500 MPR MPT-HL is Alcatel-Lucent's next generation point to point microwave radio. Based on a packet matrix, the 9500 MPR supports both TDM and Ethernet interfaces to allow customers for various options and seamless migration to TDM based networks to IP based networks. The 9500 MPR allows for software control of the frequency, modulation, and channel size based on industry standards. The 9500 MPR can be configured for non-protected or protected operation. With protection on the 9500 MPR, there are various point of protection, either the transmitter/receiver or the entire equipment protection. The 9500 MPR MPT-HL is also flexible to allow for both 5.8Ghz unlicensed operation that can be easily converted to 6GHz licensed (FCC Part 101) operation via a software license change and RF filter change.

Specifications of the 9500 MPR MPT-HL are below

RF Band	Radio Type	Channel Bandwidth (MHz)	Modulation (QAM)	Radio Capacity (Mbps)	Transmit Power (dBm)	Threshold (dBm)	System Gain NS (dB)
5.8 GHz Unlicensed	MPT-HL	5	32	18.255	30	-83.00	113.0
	MPT-HL	5	128	25.757	29	-77.00	106.0
	MPT-HL	10	32	37.323	30	-80.50	110.5
	MPT-HL	10	128	52.640	29	-74.00	103.0
	MPT-HL	30	32	114.220	30	-75.50	105.5
	MPT-HL	30	128	160.170	29	-69.50	98.5
	MPT-HL	30	256	183.302	26	-65.50	91.5