



LOS-960 a/n

5GHz Line Of Sight (LOS) System

LOS-960 a/n 5GHz is IP Based Digital Microwave that used in PTP and PTMP Mode. This Product delivers an extremely high 300Mbps throughput via its unique and powerful RF design that supports up to 64QAM modulation and 30dBm output power.

The LOS-960 LOS-960 a/n 5GHz operating system ensures easy and rapid deployment of point-to-point links with stable, fast performance. An intuitive and responsive user interface adjusts the layout based on the size of your screen. Essential tools including Setup Wizard, link test, antenna alignment, spectrum analyzer, and site survey are included to make set-up and troubleshooting more efficient. Automatic mechanisms such as auto-channel and automatic transmit power control optimize the link for maximum performance even in areas with high interference.

Wireless									
WLAN Standard		IEEE 802.11 a/n							
Radio Mode		MIMO 2x2							
Radio Freq Band		4.9 ~ 6.95 GHz							
Transmit Power		Up to 29 dBm							
Receive Sensitivity		-75 ~ -97							
Channel Size		5, 10, 20, 40 MHz							
Modulation		802.11 a/n: OFDM(64-QAM, 16-QAM, QPSK, BPSK)							
Data Rate		802.11 n: 300, 270, 240, 180, 120, 90, 60, 30 Mbps							
		802.11 a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps							
Error Correction		FEC, Selective ARQ							
Duplexing Scheme		TDD							
Receive Sensitivity	802.11 n (20/40MHz)	15Mbps	30Mbps	45Mbps	60Mbps	90Mbps	120Mbps	135Mbps	150Mbps
		-97	-95	-93	-88	-85	-81	-79	-77
		30Mbps	60Mbps	90Mbps	120Mbps	180Mbps	240Mbps	270Mbps	300Mbps
		-94	-92	-89	-85	-82	-78	-77	-75
	802.11 a	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
		-97	-97	-95	-93	-90	-86	-82	-81
Output Power	802.11 n (20/40MHz)	15Mbps	30Mbps	45Mbps	60Mbps	90Mbps	120Mbps	135Mbps	150Mbps
		29	28	28	28	27	27	25	24
		30Mbps	60Mbps	90Mbps	120Mbps	180Mbps	240Mbps	270Mbps	300Mbps
		28	28	28	28	26	26	24	23
	802.11 a	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
		29	29	29	29	29	27	26	25
Antenna									
Type		N-Type							
Gain		Antenna Dependent, Optional Integrated Antenna 15, 20 and 25dBi							
Software									
Operating Mode		Access Point, Station							
Techniques		Smart Auto-Channel, Auto Modulation, ATPC							
Wireless Security		WPA/WPA2(Personal and Enterprise involved), WACL, User isolation							
Wireless QoS		4 queues prioritization							
Network Operating Mode		Bridge, Router IPv4, Router IPv6							
WAN Protocols		Static IP, DHCP Client, PPPoE Client							
Service Watchdog		DHCP server, SNMP server, NTP client, Ping							
Management		HTTP(S) GUI, SSH, SNMP, WNMS, Telnet							
Tools		Site Survey, Link Test, Antenna Alignment							
Physical									
Dimensions		Length 150mm, Width 115mm, Height 55mm							
Weight		0.5kg Radio, 2kg with Antenna in Integrated							
Mounting		Wall, Pole Mounting							
Power									
Power Supply		100 ~ 240 VAC / 12 ~ 24 VDC POE 10/100 Base-T, RJ45							
Power Consumption		4.5 W							
Environmental									
Temperature		-20°C ~ +55°C							
Humidity		0 ~ 90 %							