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300Mbps 29dbm Outdoor CPE

Model: QLT N900,N900+

Description:

QLT N900 is an 300Mbps high power outdoor CPE/AP. Comply with IEEE 802.11b/g/n standard, adopt AR9531chipset, 14dBi dual polarized high gain antenna, 800mW/29dBm high power, the transmit/receive wireless distance more than 3000 meters.

It support Wireless AP, Gateway, WISP, Wireless Bridge, WDS pass through operation mode, effective solution for PTP, PTMP application and outdoor long range wi-fi coverage application.

QLT N900 with ABS waterproof, dustproof and sunscreen shell, temperature adaptive and board protective, Meantime, it support Power over Ethernet, support passive PoE, easy in setup even no power socket nearby, ideal for outdoor use;

Besides that, QLT N900 with LED signal light to show signal strength, easy to find a suitable place of outdoor CPE, firmware comply with AC controller system and Cloud Management System, which helpful in central management and data setting, to implement Advertisement and authentication function, save much human work and cost, more professional in outdoor wireless networking solution.

Specification:

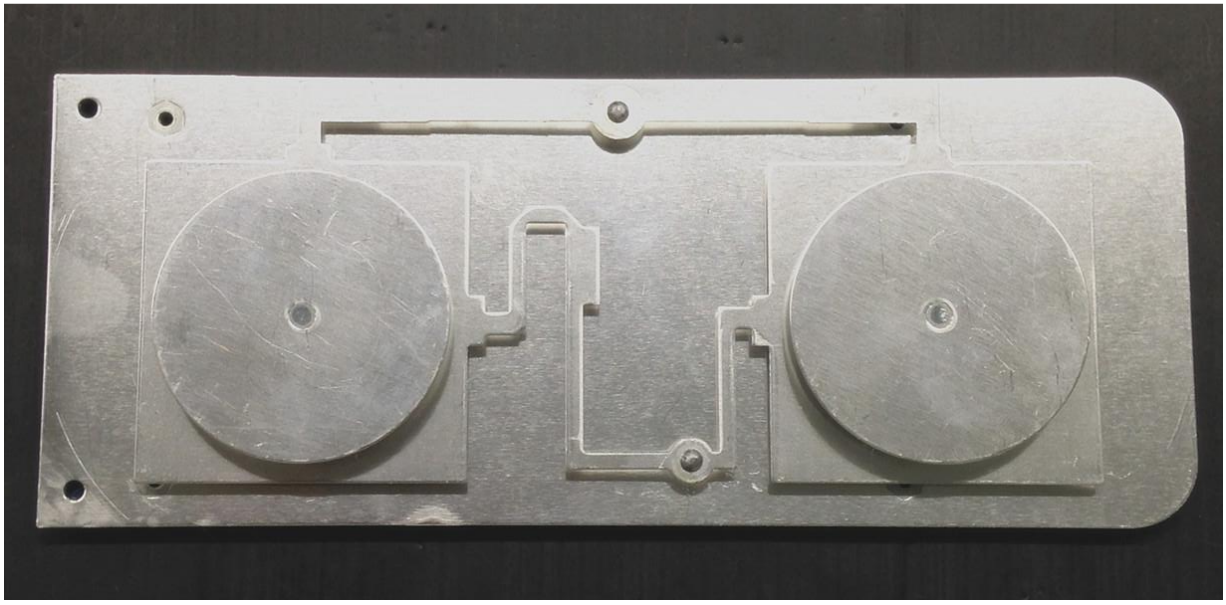
Hardware:			
Chipset	Atheros 9531		
Wireless	802.11N, 2T2R 300M MIMO Technology		
Memory	128MB for n900+ and n900-360+ and 64MB DDR2 RAM for n900 and n900-360		
Flash	32MB		
Interface	2 10/100 Mbps RJ45 Port, support 12~24V PoE		
	1 Reset Button		
	1 DC Jack, 12V Power Supply		
Antenna	2x14dBi Panel Antenna		
LED Light	POWER WIFI WAN LAN S1(GPIO9) S2(GPIO14) S3(GPIO11) S4(GPIO12)		
Size	L 257mm， W: 87mm，H: 38 mm		
Power	12V(POE 24V)/1A;110V/220V		
RF Data			
RF Data	802.11b/g/n:		
	2.4~2.4835GHz		
	Korea、Japan、ETSI、FCC		
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM		
	DSSS = DBPSK, DQPSK, CCK		
Data Rate	300 Mbps		
Receive Sensitivity	802.11n(2.4GHz)	802.11g	802.11b

	-90dBm @ MCS0	- 90dBm @ 6Mbps	- 95dBm @ 1Mbps
	-72dBm @ MCS7	- 72dBm @ 54Mbps	- 90dBm @ 11Mbps
	-90dBm @ MCS8		
	-68dBm @ MCS15		
RF Output Power			
	802.11n(2.4GHz)(± 1.5dBm)	802.11g(± 1.5dBm)	802.11b(±1.5dBm)
	29dBm@ MCS0~2/MCS8~10	29dBm @ 6~24Mbps	29dBm @1~11Mbps
	29dBm @ MCS3/MCS11	28dBm @ 36Mbps	
	28dBm @ MCS4/MCS12	28dBm @ 48Mbps	
	28dBm @ MCS5/MCS13	26dBm @ 54Mbps	
	26dBm @ MCS6/MCS14		
	26dBm @ MCS7/MCS15		

Firmware	
Operation Mode	Wireless AP, Gateway, WISP, Wireless Bridge
Protocol/Standard	IEEE 802.3(Ethernet)
	IEEE 802.3u(Fast Ethernet)
	IEEE 802.11b/g/n(2.4G WLAN)
Wireless	Auto-Channel selection
	Distance Control (802.1x Ack timeout)
	BSSID
Security	WEP Encryption-64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
	Hide SSID
System Setting	Web-based configuration (HTTP/Telnet)
Firmware upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured

System monitoring	Status in hand , useful statistic and Event log
Log	Supports local logs, logs host, logs file export
Reset	Reset or factory defaults
Backup	Restore settings & configuration of the device to local file
Physical Property	
Temperature	Working: -20°C~70°C
	Storage: -40°C to 85°C
Humidity	10%~95% (typical)
Package:	
N900 unit	
PoE Adapter	
User Manual	
LAN Cable	

Antenna Data:



Frequency range（MHz）	2400～2500

Polarization	Vertical and Horizontal
Gain（dBi）	2×14
Half-power beam width（°）	H: 65 V: 30
Front-to-back ratio（dB） Input Impedance（ ） VSWR Ω	50
Isolation between ports	≥28dB
Cross-polar ratio	≥15dB@0º ≥10dB@+/-60º
Sidelobe suppression for first sidelobe above horizon	15 dB
Maximum input power（W）	200