

RangerMax2

RangerMax2 : 2.4GHz MIMO High Power Outdoor AP

Technical Specifications

System Information

Radio Information

Software Information

Power and Environmental Information



System Information

Processor	Ralink RT3052 Networking Processor
Memory	32MB
Flash	8M
Interface	Wireless: 802.11b/g/n One 10/100 Base Ethernet Port (with Auto MDI/ MDIX)

Radio Information

Antenna	14dBi patch antenna		
Data Rate	802.11n: Up to 300Mbps		
Modulation	BPSK, QPSK, CCK, OFDM		
Channel Bandwidth	20MHz/ 40MHz		
Frequency Range	2412 ~ 2462MHz (North America) 2412 ~ 2472MHz (Japan) 2412 ~ 2472MHz (Hong Kong) 2412 ~ 2472MHz (France) 2412 ~ 2472MHz (Taiwan) 2412 ~ 2472MHz (Ireland)		
Output Power (Not Including Antenna)	24±1.5dBm @ 6Mbps 24±1.5dBm @ 12Mbps 23±1.5dBm @ 18Mbps 23±1.5dBm @ 24Mbps 22±1.5dBm @ 36Mbps 20±1.5dBm @ 48Mbps 19±1.5dBm @ 54Mbps	23±1.5dBm @ MCS0 23±1.5dBm @ MCS1 21±1.5dBm @ MCS2 21±1.5dBm @ MCS3 19±1.5dBm @ MCS4 18±1.5dBm @ MCS5 17±1.5dBm @ MCS6 16±1.5dBm @ MCS7	23±1.5dBm @ MCS8 23±1.5dBm @ MCS9 21±1.5dBm @ MCS10 21±1.5dBm @ MCS11 19±1.5dBm @ MCS12 18±1.5dBm @ MCS13 17±1.5dBm @ MCS14 16±1.5dBm @ MCS15
Receiver Sensitivity (Not Including Antenna)	-96±1.5dBm @ 6Mbps -96±1.5dBm @ 12Mbps -96±1.5dBm @ 18Mbps -96±1.5dBm @ 24Mbps -87±1.5dBm @ 36Mbps -83±1.5dBm @ 48Mbps -81±1.5dBm @ 54Mbps	-96±1.5dBm @ MCS0 -96±1.5dBm @ MCS1 -93±1.5dBm @ MCS2 -91±1.5dBm @ MCS3 -87±1.5dBm @ MCS4 -84±1.5dBm @ MCS5 -80±1.5dBm @ MCS6 -77±1.5dBm @ MCS7	-95±1.5dBm @ MCS8 -95±1.5dBm @ MCS9 -92±1.5dBm @ MCS10 -90±1.5dBm @ MCS11 -86±1.5dBm @ MCS12 -83±1.5dBm @ MCS13 -79±1.5dBm @ MCS14 -76±1.5dBm @ MCS15

Software Information

Wireless Feature	<ul style="list-style-type: none">● Support WDS.● Support Bridge, Gateway, Client and AP+ Client mode.● Support Multiple SSID● Support MBSSID AP Isolation● Support AP Isolation● Support Auto block ACK
Network Feature	<ul style="list-style-type: none">● Support DHCP Server● Support DHCP Client● Support 802.11e QoS - WMM● Support STP (Spanning Tree Protocol)● Support NTP● Support UPNP
Security Feature	<ul style="list-style-type: none">● Support WEP 64/128, WPA-PSK, WPA2-PSK, WPA-RADIUS, WPA2-RADIUS, WPS and 802.1x encryption mode for wireless.● Support IP table firewall, MAC/ IP/ Port filter.
Management Feature	<ul style="list-style-type: none">● Factory load default● DDNS● MAC Access Control● Firmware Upgrade

Power & Environmental Information

PoE	Passive PoE (12V ~ 18VDC) input
Power Consumption	14W Max
Operation Temperature	-30°C to +80°C
Humidity	95% @ 55°C
Dimension	235 mm(W) x 235 mm(L) x 65 mm(H)
Water Proof	IP67