

Product Overview

DA3000 is a high-performance dual-band 802.11AX product that provides 2.4GHz and 5GHz dual-band wireless services. The 2.4GHz band provides a maximum access rate of 574Mbps, and the 5GHz band provides a maximum access rate of 2402Mbps.

What's more, with IP67 water-proof level, lightning protection, it can install at every place to work as an stable base station for more wireless range and more access users.

Main Features

- Dual frequency concurrency, with a maximum wireless concurrency rate of up to 3000Mbps.
- IPQ5018 chip greatly expands user capacity and can support 128 users.
- Adapted to high gain dual frequency antennas, with a wide coverage range.
- The radio frequency uses high-power FEM, with stable performance and longer coverage.
- Low power consumption.
- Added lightning protection board components, greatly enhancing the protection capability of the equipment.



SPECIFICATIONS

Model	DA3000				
CPU	IPQ5018+QCN6102+QCA8337				
Flash	SPI NOR 8MB, Nand 128MB				
DDR2	512MB×1				
2.4G Frequency	2.4GHz ~ 2.484GHz				
2.4G Protocol	802.11b / g / n / ax				
5G Frequency	5.150GHz ~ 5.850GHz				
5G Protocol	802.11a/ n / ac /ax				
Antenna	4*6dBi Dual Band				
Data Rate	2.4G 574 Mbps MIMO 2*2, 5G 2402Mbps MIMO 2*2				
2.4G TX Power	802.11b	11M	25±2dBm	1M	25±2dBm
	802.11g	54M	23±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	24±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	24±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	24±2dBm
5G TX Power	802.11a	54M	22±2dBm	6M	24±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	21±2dBm	MCS0	24±2dBm
	802.11ac VHT20	MCS7	21±2dBm	MCS0	24±2dBm
	802.11ac VHT40	MCS7	20±2dBm	MCS0	24±2dBm
	802.11ac VHT80	MCS9	20±2dBm	MCS0	24±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	24±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	24±2dBm
	802.11ax HE80	MCS11	19±2dBm	MCS0	24±2dBm
	802.11ax HE160	MCS11	18±2dBm	MCS0	23±2dBm

SPECIFICATIONS

2.4G Receiving Sensitivity	802.11b	11M	-87dBm	1M	-94dBm
	802.11g	54M	-75dBm	6M	-88dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-63dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-61dBm	MCS0	-88dBm
5G Receiving Sensitivity	802.11a	54M	-75dBm	6M	-92dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-90dBm
	802.11ac VHT20	MCS7	-67dBm	MCS0	-88dBm
	802.11ac VHT40	MCS7	-64dBm	MCS0	-88dBm
	802.11ac VHT80	MCS7	-60dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-62dBm	MCS0	-90dBm
	802.11ax HE40	MCS11	-60dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-58dBm	MCS0	-86dBm
	802.11ax HE160	MCS11	-54dBm	MCS0	-84dBm
2.4G EVM	802.11b: ≤-10 dB ; 802.11g: ≤-25 dB ; 802.11n: ≤-28dB ; 802.11ax: ≤-35 dB				
5G EVM	802.11a: ≤-25 dB ; 802.11n: ≤-28 dB ; 802.11ac: ≤-32 dB; 802.11ax: ≤-35 dB				
ppm	±20ppm				
WAN	1*10/100/1000M RJ45, support 48V PoE				
LAN	1*10/100/1000M LAN				
SFP	1*10/100/1000M SFP				
POE (WAN)	802.3at				
Reset	Reset to factory settings by pressing 6-10 seconds				
Indicators	WAN, LAN, SYS, 2.4G_WiFi, 5G_WiFi.				
Power	<18W				
Dimension	243.2mm*218.3mm*64.1mm				
Temperature	Working: -30°C to 55°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95%(Non-Condensing)				
Protection Grade	IP65				
ESD	Air:±8K, Touch:±6K				
Electrical Surge	Common Mode: 4K, Differential Mode: 2K				

FIRMWARE SPECIFICATIONS

Working Mode	Gateway, AP
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming, 802.11kv standard.
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, 802.1x
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Support user quantity limited, Max 64 users to access each band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4