

ComFi BL8300

**High Performance WiFi6 Dual Band Wireless
Access Point**

Product Specifications



- 1800Mbps Dual Band Wi-Fi 6 indoor Access Point
- Qualcomm IPQ6000 Chipset Solution, up to 150 devices
- RF adopts SKYWORKS high power PA and FEM and deliver excellent performance and coverage.
- Standard PoE Power Supply / DC Supply (Optional)
- FIT and FAT AP Mode, Adjustable TX Power, Coverage Radius 100 Meters

Product Description

ComFi BL8300 is an Indoor Dual Band Wi-Fi6 (802.11ax) Wireless Access Point which suitable for indoor environment use that require high speed performance wireless coverage such as commercial office building, school, hospital, hotel, etc. ComFi BL8300 supports 2x2 802.11ax MU-MIMO, and the maximum concurrent connection rate (Dual band) can reach up to 1800Mbps, which can build a stable and high speed wireless network for users.

ComFi BL8300 has high performance wireless characteristics that can get a larger wireless coverage area and better wall penetration performance. ComFi BL8300 support wireless access up to hundreds of wireless terminals, and meet the wireless application of high density wireless terminals.

ComFi BL8300 has also good compatibility and supports the access of most wireless terminals on the market. Users can use mobile phones, tablets or laptops to easily connect.

ComFi BL8300 supports standard 48V PoE power supply and ceiling installation. The installation and configuration are flexible and convenient. Users only need to spend a short time to do and complete the settings then can enjoy the fun of surfing the Internet.

Product Features

- High Performance Qualcomm IPQ6000 Chipset Wi-Fi6 802.11AX Solution
- Support 2.4GHz 2x2 Wi-Fi (802.11b/g/n/ax), up to 574Mbps data speed rate
- Support 5GHz 2x2 Wi-Fi (802.11a/n/ac/ax), up to 1.2Gbps data speed rate
- External SKYWORKS PA and FEM for excellent RF transmission and coverage
- 2 x internal 2.4GHz Wi-Fi antenna
- 2 x internal 5GHz Wi-Fi antenna
- 1 x RJ45 1GbE WAN Port and support 802.3at PoE (PD)
- 1 x RJ45 1GbE LAN Port
- 1 x Factory Reset Button
- 1 x 3-Color LED Indicators (SYS/RED Color, 2.4GHz/Green Color, 5GHz/Blue Color)
- The heat sink adopts the buckle structure design and the surface layer complete with nano-coating treatment, the heat dissipation effect is well optimized

Hardware Specifications

Model	BL8300
Dimension	198mm x 198mm x 41mm (L x W x H)
Installation	Wall / Ceiling Mountable Installation
LED Indicators	3-Color Status LED Indicator (SYS/RED Color, 2.4GHz/Green Color, 5GHz/Blue Color)
WAN	1 x 10/100/1000Mbps RJ45 Port, GbE WAN Support 802.3at Power Supply via WAN Port
LAN	1 x 10/100/1000Mbps RJ45 Port, GbE LAN
Reset	1 x Factory Reset Button (Long press 6-10 second to activate factory setting reset)
DC Power Input	12V/1.5A
PoE	48V IEEE 802.3at PoE
Power Consumption	< 16W
Max. Wi-Fi Connection	150+ Users
Environment	
Operating Temperature	-20°C to +45°C
Storage Temperature	-0°C to +70°C
Operating Humidity	5% - 95% (non-condensing)
Air Pressure	86kPa ~ 106kPa Altitude
IP Rating	IP20
Stability	
Annual Failure Rate	AFR < 1.5% (Continuous Operation Status)
Chipset Solution	
CPU	Qualcomm IPQ6000 + QCA8075 + QCN5022 + QCN5052
Flash	8MB SPI NOR Flash + 128MB NAND Flash
RAM	512MB DDR3L Memory
Wi-Fi Characteristics	
Wi-Fi Standards	2.4GHz: 802.11g/b/n/ax 5GHz: 802.11a/n/ac/ax

Working Frequency	2.4GHz Radio: 2.4000GHz ~ 2.4835GHz		
	5GHz Radio: 5.150~5.250,5.250~5.350,5.470~5.725, 5.725~5.850GHz		
Max. Transmit Power	2.4GHz Radio: 24dBm External Front End Module (FEM) adopts SKY85333-11		
	5GHz Radio: 24dBm External Front End Module (FEM) adopts SKY85747-11		
Data Rate	2.4G Radio: 802.11b: 1, 2, 5.5, and 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps 802.11n HT20/ HT40: MCS0~MCS15 (400/ 800ns GI) 802.11ax HE20/ HE40: MCS0 ~ MCS11(400/ 800ns GI)		
	5G Radio: 802.11a: 6, 9, 12, 18, 24, 36, 48 and 54Mb/s 802.11n HT20/ HT40: MCS0~MCS15(400/ 800ns GI) 802.11ac VHT20/VHT40/VHT80: MCS0 ~ MCS9(400/ 800ns GI) 802.11ax HE20/ HE40/HE80: MCS0 ~ MCS11(400/ 800ns GI)		
Antenna Specification (Internal)	Frequency (MHz)	2400 ~ 2500	4940 ~ 5850
	Polarization	Horizontal / Vertical	Horizontal / Vertical
	Gain (dBi)	2~3	2~3

Product Views



Order Information

Product Model	Product Description
ComFi BL8300	Complete Product Unit including 1 x 48V PoE Power Supply (Optional) / 12VDC Power Adapter (Optional) 1 x Mounting Panel 1 x Network Cable 1 x User Manual (Optional) 4 x Mounting Screws

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