

ComFi BL90

**High Performance WiFi6 Dual Band High Power
Indoor Wireless AP**

Product Specifications



- 1800Mbps Dual Band Wi-Fi6 Indoor Access Point
- 2.4GHz and 5GHz 802.11AX Technology
- Two Full Gigabit Ethernet Port
- Standard PoE Power Supply / DC Supply (Optional)
- FIT and FAT AP Mode, Adjustable TX Power, 150+ users

Product Description

ComFi BL90 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 BL90 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 BL90 has high performance wireless characteristics that can get a larger wireless coverage area and better wall penetration performance. ComFi BL90 support wireless access up to hundreds of wireless terminals, and meet the wireless application of high density wireless terminals.

ComFi BL90 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 BL90 supports integrated with OpenWrt development platform. For teams with software development capabilities but lack of hardware platforms, ComFi BL90 is a very good choice if they want to develop their own wireless 11ax AP. Users can quickly and easily develop upper-layer applications according to specific needs to create their own unique wireless AP products.

ComFi BL90 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

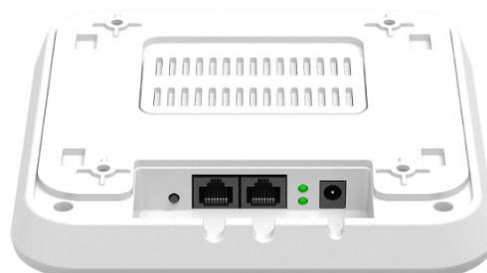
- Support ceiling or wall mounting method indoor use.
- Support 2.4GHz 2x2 Wi-Fi (802.11b/g/n/ax), up to 600Mbps data speed rate.
- Support 5GHz 2x2 Wi-Fi (802.11a/n/ac/ax), up to 1.2Gbps data speed rate.
- Support Hardware Watchdog provides device auto-recovery and low human maintenance.
- 2 x RJ45 1GbE Ethernet Port and WAN Port support 802.11at PoE (PD)
- Support two power input methods Standard 48V PoE and DC 12V.
- Elegant Design Casing, Hidden Wire Installation.

Hardware Specifications

Model	BL90
Dimension	168mm x 168mm x 32mm (L x W x H)
Weight	TBD
Installation	Wall / Ceiling Mountable Installation
LED Indicators	Multi-color LED indicator, SYS (Red), 2.4GHz (Green), 5GHz (Blue)
Interfaces	1 x 10/100/1000Mbps Uplink RJ45 Port, Auto Adaptive, MDI/X, Support 802.3af Power Supply 1 x 10/100/1000Mbps RJ45 LAN RJ45 Port, Auto Adaptive, MDI/X 1 x Factory Reset Button (Long press 6-10sec to activate reset to default factory settings)
PoE	48V / 0.5A
DC	12V / 1.5A
ESD	±6KV
Power Consumption	< 15W
Environment	
Operating Temperature	-20°C to +45°C
Storage Temperature	-40°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	MediaTek MT7621A + MT7905N + MT7975DN
Flash	16MB SPI NOR Flash
RAM	256MB DDR2 Memory
Wi-Fi Characteristics	
Wi-Fi Standard	IEEE 802.11a/b/g/n/ac/ax
Working Frequency	2.4GHz Radio: 2.4GHz ~ 2.4835GHz
	5GHz Radio: 5.150GHz~5.850GHz

Max. Tx Power	2.4GHz @ < 18dBm 5GHz @ < 18dBm
Max. Data Rate (2.4GHz)	600Mbps
Max. Data Rate (5GHz)	1200Mbps
Max. WiFi Connection	150+
2.4GHz Antenna	2 x Omni-directional Antenna, 5dBi
5GHz Antenna	2 x Omni-directional Antenna, 5DBi

Product Views



Order Information

Product Model	Product Description
ComFi BL90	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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