

ComFi WL4600

Outdoor 5KM 1200Mbps Wireless CPE

Product Specifications



- 5KM Point to Point, Point to Multipoint Coverage Distance
- 1200Mbps 802.11AC Dual Band WI-FI
- Waterproof Outdoor Casing, IP65 Protection
- Standard 48V PoE or DC Power Input
- Gigabit Ethernet Port
- Support AC Controller and AP Management
- One Button Smart Bridge Connection

Product Description

ComFi WL4600 is an outdoor dual-band Wireless CPE for long-distance point-to-point and point to multipoint applications. It is suitable for outdoor applications that require wireless coverage and bridging over a long distance. ComFi WL4600 has a 12dBi 2.4GHz antenna and 14dBi 5GHz antenna to support radio reach out to 5KM distance for point to point or point to multipoint connectivity. It supports MIMO and the maximum concurrent connection rate of two wireless bands can be as high as 1200Mbps. It supports up to 100+ connection points to make up a wide wireless network in one area. It is proven to deliver a stable and high-speed wireless network for users.

ComFi WL4600 supports the standard DC 12V power to operate or IEEE802.3af PoE power input via the WAN port. It is ideal to do the pole installation for connectivity. The installation and configuration are flexible and convenient with one button smart bridge connection. The user would only require to spend a short time to complete the settings for point to point or point to multipoint for the long-distance access point deployment.

Product Features

- 802.11ac high-performance, high-speed outdoor long-distance wireless bridge.
- The wireless bandwidth of the product supports 20/40/80MHz, and the maximum bandwidth can reach up to 1200Mbps
- Supports AP and gateway modes.
- Supports multiple authentications and encryption methods
- Unique waterproof and dustproof design, IP67 protection grade.
- Support long-distance Power over Ethernet (PoE)
- The built-in 12dBi (2.4GHz), and 14dBi (5GHz) high-gain directional antennas have the characteristics of high transmission rate and long coverage distance, which can provide users with a high data throughput, reliable and safe wireless network.

Hardware Specifications

CPU	QCA9563 + QCA9882 + QCA8334
Flash	16MB
DDR2	128MB
2.4GHz Frequency	2.4GHz ~ 2.484GHz
2.4GHz Standard	802.11b/g/n
5GHz Frequency	5.150GHz ~ 5.850GHz

5GHz Standard	802.11a/n/ac				
SSID Hide	Support				
Data Rate	1200Mbps				
Support Modes	Gateway Mode, Repeater Mode, AP Mode				
Management	AC Controller Remote Management Support (FIT AP mode)				
Coverage Distance	5000 Meter, Line of Sight (LOS)				
Max Users	100+				
2.4GHz RF Power	802.11b	11M	26 ± 2dBm	1M	27 ± 2dBm
	802.11g	54M	24 ± 2dBm	6M	27 ± 2dBm
	802.11n HT20	MCS7	23 ± 2dBm	MCS0	26 ± 2dBm
	802.11n HT40	MCS7	22 ± 2dBm	MCS0	25 ± 2dBm
5GHz RF Power	802.11a	54M	23 ± 2dBm	6M	26 ± 2dBm
	802.11n HT20	MCS7	22 ± 2dBm	MCS0	25 ± 2dBm
	802.11n HT40	MCS7	20 ± 2dBm	MCS0	23 ± 2dBm
	802.11AC HT80	MCS9	19 ± 2dBm	MCS0	22 ± 2dBm
2.4GHz Reception Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
5GHz Reception Sensitivity	802.11a	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
	802.11AC HT80	MCS9	-60dBm	MCS0	-85dBm
2.4GHz EVM	802.11b: ≤-10dB 802.11g: ≤-25dB 802.11n: ≤-28dB				
5GHz EVM	802.11a: ≤-25dB 802.11n: ≤-28dB 802.11ac: ≤-32dB				
PPM	±20ppm				
WAN	1 x 10/100/1000Mbps WAN Port Auto MDI/X, Support IEEE 802.3at 48V				
LAN	1 x 10/100/1000Mbps LAN Port Auto MDI/X				
DC Power Input	12V/1.5A				

PoE (WAN)	IEEE 802.3af 48V 0.5A Power over Ethernet
Reset	Reset Button (Long Press 10 Second to Activate Default Factory Settings)
LED Display	2 Digital LED Display with Function Button and Select Button
Switch	Bridge Mode Dip Switch
LED Indicators	SYS, LAN, WAN, Wi-Fi Strength
2.4GHz Antenna	12dBi High Gain Directional Antenna
5GHz Antenna	14dBi High Gain Directional Antenna
Power Consumption	< 20W
Size	315 x 145 x 80MM
Enclosure	ABS material
	IP65 Dust Proof and Water Proof
ESD	Contact Discharge $\pm 6KV$, Air Discharge $\pm 8KV$
Surge Protection	Standard: Common Mode: $\pm 2KV$, Differential: $\pm 1KV$ (Optional: Common Mode: $\pm 4KV$, Differential: $\pm 2KV$)
Working Environment	Working Temperature: $-30^{\circ}C$ to $55^{\circ}C$ Max Working Temperature: $-40^{\circ}C$ to $70^{\circ}C$ Storage Temperature: $-40^{\circ}C$ to $70^{\circ}C$ Humidity: 5% ~ 95% (Non condensing)

Product Views



Order Information

Product Model	Product Description
ComFi WL4600	Complete Product Unit including 1 x 48V PoE Power Adapter or DC Power Adapter (Optional) 1 x Mounting Bracket Outdoor

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