

ComFi WL290

Outdoor 2KM 900Mbps 5GHz Wireless CPE

Product Specifications



- 2KM Point to Point, Point to Multipoint Coverage Distance
- Long Distance Internal 12dBi Directional Antenna
- 900Mbps 5GHz 802.11AC MIMO WI-FI
- Waterproof Outdoor Casing, IP65 Protection
- Standard PoE Power Input via WAN Interface
- One Button Smart Bridge Connection

Product Description

ComFi WL290 is an outdoor 2x2 5GHz 802.11ac wireless CPE, suitable for outdoor areas that require wireless coverage and bridging over a long distance. ComFi WL290 has a 12dBi flat panel antenna to have radio reach out to 2KM distance for point to point or point to multipoint connectivity. It support MIMO and the maximum concurrent connection rate of 5GHz Wi-Fi band can as high as 867Mbps. It supports up to 50+ 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 WL290 supports Passive PoE power supply and pole installation. The installation and configuration are flexible and convenient with visual digital information display. Users only need to spend a short time to complete the settings for point to point or point to multipoint long distance access point deployment.

Product Features

- Support pole installation
- Support 5GHz 2x2 Wi-Fi (802.11a/n/ac), up to 867Mbps wireless rate
- 12dBi Flat Panel directional antenna
- 2 Ethernet network RJ45 port, 1 WAN + 1 LAN, with surge protection
- 24V Passive PoE Power Input (WAN Port)
- IP65 Outdoor Waterproof Enclosure
- Support AC Controller remote management (FIT Mode)
- Visual Digital Information Display (Master, Slave, Channel, Signal Strength Info)

Hardware Specifications

CPU	MT7628DAN + MT7613AE
Flash	8MB
DDR2	64MB
5GHz Frequency	5.150GHz ~ 5.850GHz
5GHz Standard	802.11a/n/ac
SSID Hide	Support
Data Rate	867Mbps
Support Modes	Repeater Mode, AP Mode
Management	AC Controller Remote Management Support (FIT AP mode)
Coverage Distance	2000 Meter, Line of Sight (LOS)

Max Users	50+				
5GHz RF Power	802.11a	54M	17 ± 2dBm	6M	19 ± 2dBm
	802.11n HT20	MCS7	16 ± 2dBm	MCS0	18 ± 2dBm
	802.11n HT40	MCS7	15 ± 2dBm	MCS0	17 ± 2dBm
	802.11AC	MCS9	14 ± 2dBm	MCS0	16 ± 2dBm
5GHz Reception Sensitivity	802.11a	54M	-68dBm	6M	-86dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-86dBm
	802.11n HT40	MCS7	-65dBm	MCS0	-83dBm
	802.11AC	MCS9	-55dBm	MCS0	-73dBm
5GHz EVM	802.11a: ≤-25dB 802.11n: ≤-28dB 802.11ac: ≤-32dB				
PPM	±20ppm				
WAN	1 x 10/100Mbps WAN Port Auto MDI/X, Support Passive PoE 24V				
LAN	1 x 10/100Mbps LAN Port Auto MDI/X				
PoE	24V 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 (Left-Slave, Right-Master)				
LED Indicators	SYS, WIFI, LAN, WAN				
5GHz Antenna	12dBi Flat Panel Directional Antenna				
Power Consumption	< 8W				
Size	168 x 88 x 47.6MM (L x W x H)				
Enclosure	ABS material				
	IP65 Dust Proof and Water Proof				
ESD	Contact Discharge ±6KV, Air Discharge ±8KV				
Surge Protection	Standard: Common Mode: ±2KV, Differential: ±1KV (Optional: Common Mode: ±4KV, Differential: ±2KV)				
Working Environment	Working Temperature: -30°C to 55°C Max Working Temperature: -40°C to 70°C Storage Temperature: -40°C to 70°C Humidity: 5% ~ 95% (Non condensing)				
Features	WIFI Analyzer				

	Digital Indicator (Master/Slave, Channel, Signal Strength Info)
	Port Interface Surge Protection

Product Views



Order Information

Product Model	Product Description
ComFi WL290	Complete Product Unit including 1 x 24V Passive PoE Power Supply (Optional) 1 x Mounting Bracket Outdoor

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