

ComFi WL4250

Outdoor 3KM 300Mbps 2.4GHz Wireless CPE

Product Specifications



- 3KM Point to Point, Point to Multipoint Coverage Distance
- Long Distance Internal 11dBi Directional Antenna
- 300Mbps 2.4GHz 802.11n WI-FI
- Waterproof Outdoor Casing, IP65 Protection
- 24V Standard PoE Power Input via WAN Interface and DC Power via DC Power Jack.
- One Button Smart Bridge Connection

Product Description

ComFi WL4250 is an outdoor 2x2 2.4GHz wireless CPE, suitable for outdoor areas that require wireless coverage and bridging over a long distance. ComFi WL4250 has a 11dBi flat panel antenna to have radio reach out to 3KM distance for point to point or point to multipoint connectivity. It support MIMO and the maximum concurrent connection rate of 2.4GHz Wi-Fi band up to 300Mbps. It supports up to 30+ 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 WL4250 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 completing the settings for point to point or point to multipoint long distance access point deployment.

Product Features

- Support pole installation
- Support 2.4GHz 2x2 Wi-Fi (802.11b/g/n), up to 300Mbps wireless rate
- 11dBi 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	QCA9531 + External PA SKY65174
Flash	16MB
DDR2	64MB
5GHz Frequency	2.412GHz ~ 2.484GHz
5GHz Standard	802.11b/g/n
SSID Hide	Support
Data Rate	300Mbps
Support Modes	Repeater Mode, AP Mode
Management	Access Point Controller Remote Management Support (FIT AP mode)

Coverage Distance	3000 Meter, Line of Sight (LOS)				
Max Users	30+				
2.4GHz RF Power	802.11b	11M	$27 \pm 2\text{dBm}$	1M	$29 \pm 2\text{dBm}$
	802.11g	54M	$26 \pm 2\text{dBm}$	6M	$29 \pm 2\text{dBm}$
	802.11n HT20	MCS7	$25 \pm 2\text{dBm}$	MCS0	$28 \pm 2\text{dBm}$
	802.11n HT40	MCS7	$24 \pm 2\text{dBm}$	MCS0	$27 \pm 2\text{dBm}$
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
2.4GHz EVM	802.11b: $\leq -10\text{dB}$ 802.11g: $\leq -28\text{dB}$ 802.11n: $\leq -28\text{dB}$				
PPM	$\pm 20\text{ppm}$				
WAN	1 x 10/100Mbps WAN Port Auto MDI/X, Support Passive PoE 24V				
LAN	1 x 10/100Mbps LAN Port Auto MDI/X, Support Passive PoE 24V				
DC Power	12V 1.5A, DC Power Jack				
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	11dBi Flat Panel Directional Antenna				
Power Consumption	< 10W				
Size	260 x 85 x 45MM				
Enclosure	ABS material				
	IP65 Dust Proof and Water Proof				
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)				

Order Information

Product Model	Product Description
ComFi WL4250	Complete Product Unit including 1 x 24V Passive PoE Power Supply (Optional) 1 x Mounting Bracket Outdoor

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