

# ComFi WL280

Outdoor 1.5KM 2.4GHz Wireless CPE

## Product Specifications



- 1.5KM Point to Point, Point to Multipoint Coverage Distance
- Long Distance Internal 8dBi Directional Antenna
- 300Mbps 2.4GHz 802.11n WI-FI
- Waterproof Outdoor Casing, IP65 Protection
- Standard PoE Power Input via WAN Interface
- One Button Smart Bridge Connection

## Product Description

ComFi WL280 is an outdoor 2x2 2.4GHz 802.11n wireless CPE, suitable for outdoor areas that require wireless coverage and bridging over a long distance. ComFi WL280 has a 8dBi flat panel directional antenna to have radio reach out to 1.5KM 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 can as high as 300Mbps. 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 reliable wireless network for users.

ComFi WL280 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 2.4GHz 2x2 Wi-Fi (802.11b/g/n), up to 300Mbps wireless rate
- 8dBi 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
Flash	8MB
DDR2	64MB
2.4GHz Frequency	2.412GHz ~ 2.484GHz
2.4GHz Standard	802.11b/g/n
SSID Hide	Support
Data Rate	300Mbps
Support Modes	Repeater Mode, AP Mode
Management	AC Controller Remote Management Support (FIT AP mode)

Coverage Distance	1500 Meter, Line of Sight (LOS)				
Max Users	50+				
2.4GHz RF Power	802.11b	11M	$18 \pm 2\text{dBm}$	1M	$21 \pm 2\text{dBm}$
	802.11g	54M	$17 \pm 2\text{dBm}$	6M	$20 \pm 2\text{dBm}$
	802.11n HT20	MCS7	$16 \pm 2\text{dBm}$	MCS0	$19 \pm 2\text{dBm}$
	802.11n HT40	MCS7	$15 \pm 2\text{dBm}$	MCS0	$18 \pm 2\text{dBm}$
2.4GHz Reception Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-72dBm	6M	-88dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-86dBm
	802.11n HT40	MCS7	-66dBm	MCS0	-85dBm
2.4GHz EVM	802.11b: $\leq -10\text{dB}$ 802.11g: $\leq -25\text{dB}$ 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				
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	8dBi Flat Panel Directional Antenna				
Power Consumption	< 5W				
Size	168 x 88 x 47.6MM (L x W x H)				
Enclosure	ABS material				
	IP65 Dust Proof and Water Proof				
ESD	Contact Discharge $\pm 6\text{KV}$ , Air Discharge $\pm 8\text{KV}$				
Surge Protection	Standard: Common Mode: $\pm 2\text{KV}$ , Differential: $\pm 1\text{KV}$ (Optional: Common Mode: $\pm 4\text{KV}$ , Differential: $\pm 2\text{KV}$ )				
Working Environment	Working Temperature: $-30^{\circ}\text{C}$ to $55^{\circ}\text{C}$ Max Working Temperature: $-40^{\circ}\text{C}$ to $70^{\circ}\text{C}$ Storage Temperature: $-40^{\circ}\text{C}$ to $70^{\circ}\text{C}$ 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 WL280	Complete Product Unit including 1 x 24V Passive PoE Power Supply (Optional) 1 x Mounting Bracket Outdoor

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