

ComFi W3400

High Performance Outdoor Waterproof 4G CPE

Product Specifications



- 4G LTE-FDD LTE-TDD Cellular Modem
- IP67 Grade Outdoor Enclosure, Dustproof and Waterproof
- External 6dBi Omni-Directional Antenna
- Higher Wi-Fi Power, coverage 150 Meter Radius
- Power by PoE Power or Standard DC Power
- 1200Mbps Wi-Fi Data Rate and Support 60+ Users

Product Description

ComFi W3400 is an outdoor 2x2 Dual Band 802.11ac Wave2 Wireless Access Point. It is especially suitable for outdoor environment that require wireless coverage such as scenic spots, parks, schools, and squares. ComFi W3400 supports 2x2 802.11ac Wi-Fi technology, and the maximum concurrent connection rate of dual band can reach up to 1200Mbps, which can build a stable and high-speed wireless network for users.

ComFi W3400 has high performance wireless capabilities that it can get a larger wireless coverage area and better wall penetration performance. ComFi W3400 supports the access of more than 60 wireless terminals, satisfy to the application scenarios of high-density wireless terminals. In addition, ComFi W3400 also has good compatibility and supports the access of most wireless terminals on the market. Users can use mobile phones, tablets and laptops to connect easily.

ComFi W3400 can support the OpenWRT development platform. For any product development teams who have software development capabilities but lack a hardware platform, and want to develop their own wireless 802.11ac access point solution. The ComFi W3400 is a very good choice. Users can quickly and easily develop upper-layer applications according to specific needs to create their own unique wireless AP products.

ComFi W3400 supports 4G LTE, PoE power supply, and pole installation. The installation configuration is flexible and convenient.

Product Features

- Pole Installation for outdoor application.
- Support 2.4GHz 2x2 WI-FI, IEEE 802.11b/g/n/ac Wi-Fi standard, up to 300Mbps data rate.
- Support 5GHz 2x2 Wi-Fi, IEEE 802.11a/n/ac Wave2 Wi-Fi standard, up to 867Mbps data rate.
- Support 4G LTE cellular network, multiple common LTE-FDD and LTE-TDD bands support with LTE Cat4 technology, up to 150Mbps data rate.
- 1 x RJ45 10/100/1000Mbps Gigabit Ethernet Network Port, Support IEEE802.3at PoE (PD)
- 4 x Type-N Antenna Connector, 2 for 2.4GHz Wi-Fi radio and 2 for 5GHz Wi-Fi radio.
- 2 x Type-N Antenna Connector for 4G LTE cellular radio.
- 7 status indicator view at a glance (PWR/SYS/WIFI/NET/4G SINGLE)

Hardware Specifications

Model	W3400
Dimension	240mm x 195mm x 80mm (L x W x H)
Weight	1562g
Installation	Wall / Pole Mountable Installation
LED Indicators	PWR / SYS / 2.4GHz / 5GHz
Interfaces	1 x 1GbE Uplink, Support 802.3at Power Supply 1 x 1GbE RJ45 LAN Port 4 x Type-N Antenna Connector (WI-Fi) 2 x Type-N Antenna Connector (4G)
Power Input	50V ~ 57V, 802.3at PSE

Environment	
Operating Temperature	-40°C to +65°C
Storage Temperature	-40°C to +70°C
Operating Humidity	5% - 95% (non-condensing)
Air Pressure	86kPa ~ 106kPa Altitude
IP Rating	IP67 (Dustproof and Waterproof)
Safety Certification	SRRC, Can do according customer's request

Stability	
Annual Failure Rate	AFR < 1.5% (Continuous Operation Status)

Chipset Solution	
CPU	MediaTek MT7621 + MT7603 + MT7613B
Flash	16MB SPI Flash
RAM	128MB DDR2 Memory

Wi-Fi Characteristics			
Working Frequency	2.4GHz Radio: 2.4000GHz ~ 2.4835GHz		
	5GHz Radio: 5.150~5.250,5.250~5.350,5.470~5.725, 5.725~5.850GHz		
Max. Transmit Power	2.4GHz Radio: 22dBm @ MCS0, 20dBm@MCS7		
	5GHz Radio: 22dBm @ MCS0, 20dBm@MCS7		
Data Rate	2.4G Radio: 802.11b: 1, 2, 5.5, and 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps 802.11n HT20/ HT40: MCS0~MCS15 (400/ 800ns GI) 802.11ac VHT20/VHT40: MCS0~MCS9 (400/800ns GI)		
	5G Radio: 802.11a: 6, 9, 12, 18, 24, 36, 48 and 54Mb/s 802.11n HT20/ HT40: MCS0~MCS15(400/ 800ns GI) 802.11ac VHT20/VHT40/VHT80: MCS0 ~ MCS9(400/ 800ns GI)		
Reception Sensitivity	802.11g	-92dBm@6Mbps	
		-75dBm@54Mbps	
	802.11n HT20	MCS0/8/16	-90dBm
		MCS7/15	-71dBm
	802.11n HT40	MCS0/8/16	-87dBm
		MCS7/15	-68dBm
	802.11a	-89dBm@6Mbps	
		-74dBm@54Mbps	
	802.11ac VHT20	MCS0	-90dBm
		MCS8	-67dBm
	802.11ac VHT40	MCS0	-87dBm
		MCS8	-61dBm
	802.11ac VHT80	MCS0	-84dBm
		MCS8	-58dBm

4G Specifications		
LTE Category	LTE Cat 4	
Frequency*	CN Version	LTE-FDD: B1, B3, B5, B8 LTE-TDD: B34, B38, B39, B40, B41 WCDMA: B1, B5, B8 GSM: B3, B8
	EU Version	LTE-FDD: B1, B3, B7, B8, B20, B28 LTE-TDD: B38, B40, B41 WCDMA: B1, B8 GSM: B3, B8
	LATAM/AU Version (Custom)	LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B28, B66 LTE-TDD: B40 WCDMA: B1, B2, B4, B5, B8 GSM: B2, B3, B5, B8
Data Rate	LTE	LTE-FDD: Max. 150 (DL)/ Max. 50 (UL) LTE-TDD: Max. 130 (DL)/ Max. 30 (UL)
	DC-HSPA+	Max. 21 (DL)/ Max. 5.76 (UL)
	WCDMA	Max. 384 (DL)/ Max. 384 (UL)
	EDGE	Max. 236.8 (DL)/ Max. 236.8 (UL)
	GPRS	Max. 85.6 (DL)/ Max. 85.6 (UL)
Transmitting Power	Class 4 (33dBm±2dB) for EGSM900 Class 1 (30dBm±2dB) for DCS1800 Class E2 (27dBm±3dB) for EGSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 8-PSK Class 3 (24dBm+1/-3dB) for WCDMA bands Class 3 (23dBm±2dB) for LTE-FDD bands Class 3 (23dBm±2dB) for LTE-TDD bands	

*Note *: The information about the supported standards and wireless bands may vary with the application of 4G modules. Before ordering, please ask and confirm with our sales representatives whether or not the required network standards and wireless frequency bands are met.*

Order Information

Product Model	Product Description
ComFi W3400	<p>Complete Product Unit including</p> <ul style="list-style-type: none">2 x 4G Omnidirectional Fiberglass Antenna2 x 2.4GHz Omnidirectional Fiberglass Antenna2 x 5GHz Omnidirectional Fiberglass Antenna1 x Pole Installation Mounting Bracket1 x Network Cable <p>Optional Items:</p> <ul style="list-style-type: none">1 x 48V PoE Power Support (Optional)1 x GPS Antenna (Optional)

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深圳星恒讯科技有限公司

SHENZHEN MOVINGCOMM TECHNOLOGY CO., LTD.

Addr: 4F, No. 5 Building, TongFuKang ShuiTian Industrial Zone,
ChangCheng Road, ShuiTian Community, ShiYan, BaoAn
District, 518108 ShenZhen, GuangDong, China

Tel: 86-755-23125215

Fax: 86-755-23125215-802

Email: sales@movingcomm.com

