

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 | 275mm x 245mm x 65mm (L x W x H) |
| Weight | 2552g |
| 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 + 7603 + 7613 |
| 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: 27dBm (500mW) @ MCS0, 25dBm@MCS7 | | |
| | 5GHz Radio: 27dBm (500mW) @ 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) | | |
| | 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 U-Shaped Installation Kit1 x L-Shape Installation Accessories1 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

