

ComFi W2100

High Performance Outdoor WiFi Access Point

Product Specifications



- 2.4GHz Wi-Fi Radio, IEEE 802.11n, 2T2R
- IP65 Grade Outdoor Enclosure, Dustproof and Waterproof
- External 6dBi Omni-Directional Antenna
- Higher Wi-Fi Power, coverage 100 Meter Radius
- Power by PoE Power or Standard DC 12V Power
- 300Mbps Wi-Fi Data Rate and Support 32+ Users

Product Features

- Pole Installation for outdoor application.
- Support 2.4GHz 2x2 WI-FI, IEEE 802.11b/g/n Wi-Fi standard, up to 300Mbps data rate.
- 1 x RJ45 10/100Mbps Fast Ethernet Network Port, IP65 Waterproof, Support 24V PoE
- 2 x Type-N Antenna Connector for 2.4 GHz WI-Fi radio.

Hardware Specifications

Model	ComFi W2100
CPU	Mediatek MT7628
Flash	16MB SPI Flash
RAM	64MB DDR2 Memory (Optional 128MB)
Wi-Fi	IEEE 802.11n Wi-Fi Standard
	2.4GHz IEEE 802.11n MIMO up to 300Mbps
Interfaces	1 x External RJ45 LAN/WAN Port, 24V PoE 2 x Type-N Antenna Connector (WI-Fi)
Power Input	24V PoE
Watchdog	Built-in Hardware Watchdog, Support Device Operation Self-Check Technology, Auto Recovery From Device Failure
Enclosure	IP65, Dustproof and Waterproof Metal Casing
Operating Temperature	-40°C to +55°C
Storage Temperature	-40°C to +70°C
Operating Humidity	5% - 95% (non-condensing)
Air Pressure	86kPa ~ 106kPa Altitude
Dimension	280mm x 210mm x 80mm (L x W x H)
Weight	TBC
Installation	Wall / Pole Mountable Installation
Firmware	Linux SDK

Wi-Fi Specifications

Wi-Fi Technology	IEEE 802.11b/g/n
Channel Bandwidth	20MHz, 40MHz
Frequency	2.4GHz (2.412-2.4835GHz)
TX/RX	2.4GHz: 1T1R
MIMO	DL: 2X2 MIMO
Max Data Rate	802.11b: 11Mbps 802.11g: 54Mbps 802.11n: 300Mbps
Modulation	11b: DBPSK, DQPSK and CCK and DSSS 11g: BPSK, QPSK, 16QAM, 64QAM and OFDM 11n: MCS0~15 OFDM
Reception Sensitivity	-85dBm in 802.11b -70dBm in 802.11g -70dBm in 802.11n
Max. Output Power	17±2dBm in 802.11b 16±2dBm in 802.11g 15±2dBm in 802.11n
Antenna Type	External Antenna, Fiberglass N-Type
Wi-Fi User Support	Max. 32 Users
Wi-Fi Encryption	WEP/WPA/WPA2 Protected Encryption

Software Specifications

Main Features	WAN	Static IP, DHCP, PPPoE
		Support Links Redundancy, and WAN-WWAN Failsafe
		Link detection, Heartbeat detection, and auto reconnection
	WIFI	Client, AP, Router Mode
		Support WPA/WPA2 Encryption, MAC Filter and others
	VPN	Support VPN Client PPTP / L2TP

	Management	SYSLOG / HTTP / Other Functions
		Support Local or Remote Firmware Upgrade, Import / Export configuration file
	Support IPv6	
	Support NTP	
	Support VLAN, MAC Address Clone	
	Support Multiple DHCP Server, DHCP Client, DHCP and MAC Address Binding, DDNS, Firewall, DMZ, Traffic Statistics and others	
	Support TCP/IP, UDP, FTP(optional), HTTP and Other Network Protocols	
	Support Multiple Serial Pass-through Method, UDP Client, TCP Client, Server	

Order Information

Product Model	Product Description
ComFi W2100	Complete Product Unit including 2 x 2.4GHz Omnidirectional Fiberglass Antenna 1 x Pole Installation Kit 1 x Network Cable

To see more MovingComm products,

Visit:-

Movingcomm official website <http://www.movingcomm.com/en>

Movingcomm Alibaba global site: <https://movingcomm.en.alibaba.com>

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH MOVINGCOMM PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN MOVINGCOMM'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, MOVINGCOMM ASSUMES NO LIABILITY WHATSOEVER, AND MOVINGCOMM DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF MOVINGCOMM PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT. UNLESS OTHERWISE AGREED IN WRITING BY MOVINGCOMM, THE MOVINGCOMM PRODUCTS ARE NOT DESIGNED NOR INTENDED FOR ANY APPLICATION IN WHICH THE FAILURE OF THE MOVINGCOMM PRODUCT COULD CREATE A SITUATION WHERE PERSONAL INJURY OR DEATH MAY OCCUR.

MovingComm may make changes to specifications and product descriptions at any time, without notice. Buyers must receive a confirmation from MovingComm prior using the product. MovingComm shall have no responsibility whatever for conflicts or incompatibilities arising from future changes to them.

Copyright © 2013-2022 Shenzhen MovingComm Technology Co., Ltd. All rights reserved.

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

