WI-R2-WISP
2.4GHz 300Mbps
Villa Level
Wireless PoE
Router/Access
Point
Data sheet

WI-Tek
Communication Solution

Highlights

- 100mW power output + 4*5dBi High gain antennas, wall penetration Wi-Fi design
- Wireless B/G/N speed up to 300Mbps
- Support Router, AP, Repeater wireless mode
- WAN/LAN1/LAN2 support 24-48V PoE Input and Output
- Support PoE Pass-through
- 2x2 MIMO Technology
- Support QVLAN TAG binding with multi-SSID
- Passive PoE supports up to 100 meters
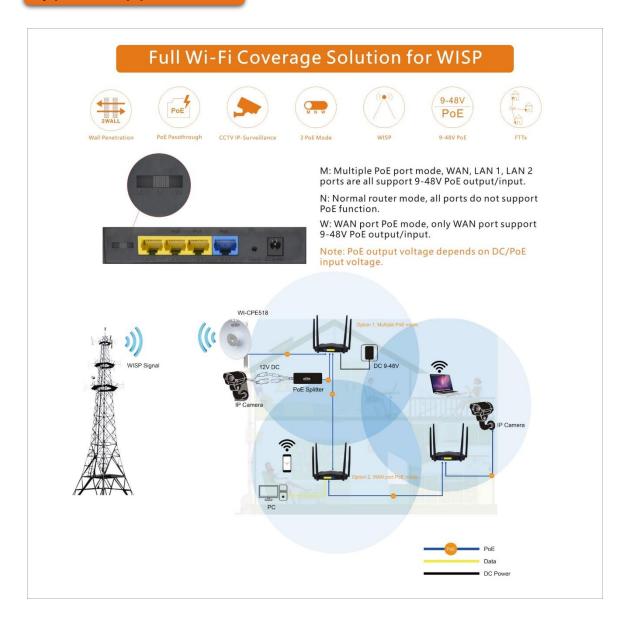- 64MB SDRAM 16MB Flash,600Mhz CPU

Product

Description

Wi-Tek's WI-R2-WISP is a 2.4GHz 300Mbps 2x2 MIMO PoE Router based on 802.11 b/g/n technology, its 4*5dBi High gain antennas design wall penetration Wi-Fi. Its WAN/LAN1/LAN2 ports support PoE Input/Output, can be selectable by a toggle switch. PoE Voltage work from 24V-48V, can support power up wireless AP/CPE and IP camera at same time, or can work at a PoE Ring via PoE Pass-through technology up 400meters PoE transmit. it is your wireless coverage extension best choice.

Typical Applications

Full Wi-Fi Coverage Solution for WISP

Wall Penetration | PoE Passthrough | CCTV IP-Surveillance | 3 PoE Mode | WISP | 9-48V PoE | FTTx

M: Multiple PoE port mode, WAN, LAN 1, LAN 2 ports are all support 9-48V PoE output/input.

N: Normal router mode, all ports do not support PoE function.

W: WAN port PoE mode, only WAN port support 9-48V PoE output/input.

Note: PoE output voltage depends on DC/PoE input voltage.

Specifications

HARDWARE FEATURES	
Processor	MT7628

Memory	64MB SDRAM 16MB Flash
Interface	4X10/100BASE-TX Ethernet Interface
PoE	WAN/LAN1/LAN2 Support PoE Input and Output 24-48V
Power Consumption	4W
Power	DC Input 9-52V 3A max
Antenna Type	4*5dBi Omni Antenna

WIRELESS FEATURES	
Wireless Standards	802.11b/g/n
Protocol	CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP
Wireless Mode	AP ,Repeater , Router
Wireless Speeds	11a:54M,48M,36M,24M,18M,12M,9M,6Mbps 11n:6.5M， 13M， 13.5M， 19.5M， 26M， 27M， 39M， 40.5M， 52M， 54M， 58.5M， 65M， 81M， 108M， 121.5M， 135M， 150M， 270M， 300Mbps

WIRELESS FEATURES	
Frequency	2.4-2.4835Hz

SOFTWARE FEATURES	
Wireless Configurations	802.11b/g/n Modes Selectable Channel Width: 20/40MHz Automatic Channel Selection Transmission Power Control Dynamic Frequency Security: WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption SSID Broadcast Enable/Disable Distance/ACK Timeout Setting Wireless MAC Address Filter Wireless Advanced: > Beacon Interval/RTS Threshold/Fragmentation >Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia VLAN
Management	WEB management Cloud Managed SNMP Managed
System-level Optimizations	Optimized IGMP Snooping/Proxy for multicast applications

System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 10, Windows 8, Windows 7, MAC OS, NetWare, UNIX or Linux. Note: We recommend you to use one of following Web browsers for an improved user experience: Google Chrome, Safari, and Firefox. IE browsers are not recommended.
Environment	Working Temp: -40 ~ 70℃ Storage Temp: -40 ~85℃ Working Humidity: 10%~95% non-condensing