



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



## 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 , WISP wireless mode
- WAN port support PoE Out, PoE voltage 9V-48V
- WAN/LAN1/LAN2 PoE Input, Output selectable
- Support PoE Pass-through
- 2x2 MIMO Technology
- Support remotely management by WAN port
- Support QVLAN TAG binding with multi-SSID
- Passive PoE supports up to 100 meters
- 64MB SDRAM 8MB Flash,600Mhz CPU

## Product



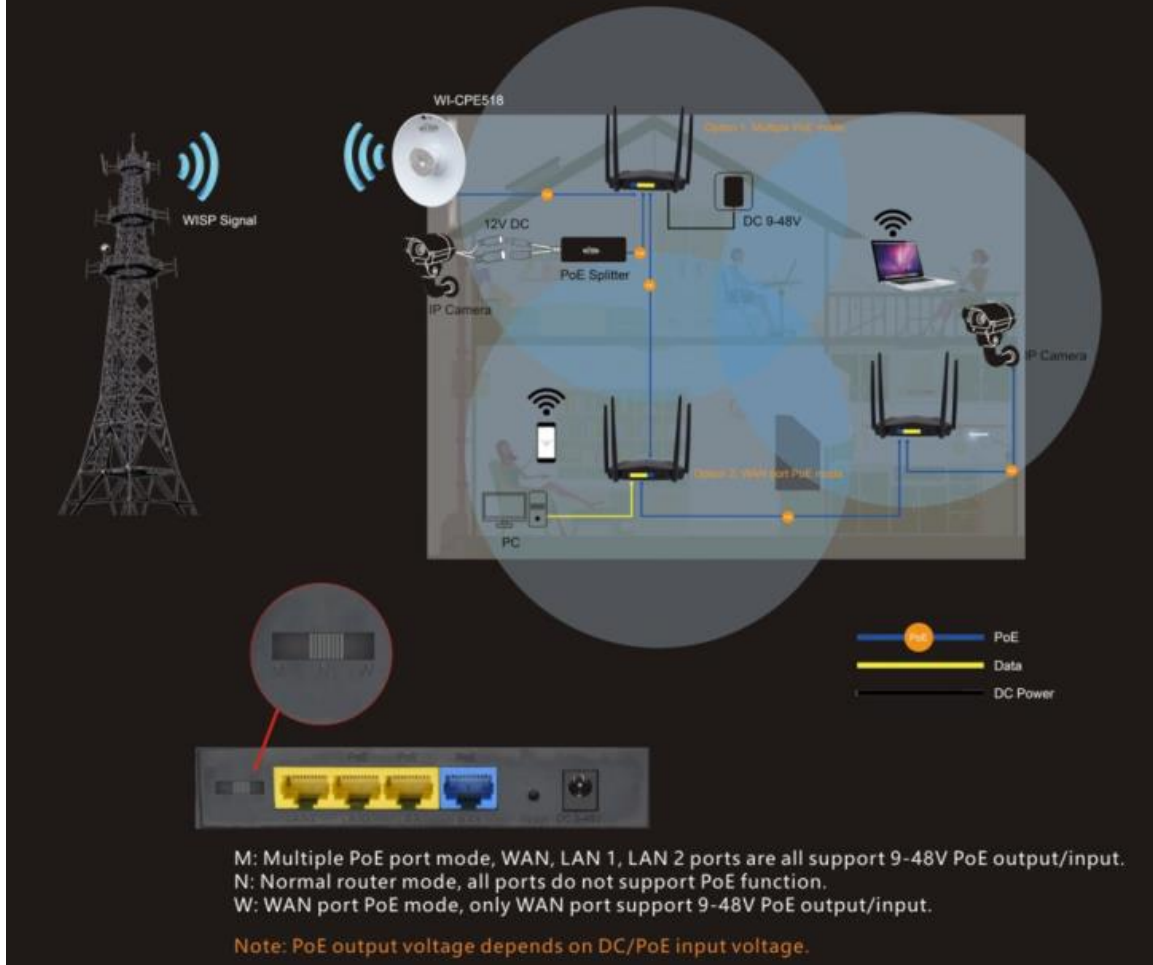


## Description

Wi-Tek's WI-R2 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 Passive PoE Input/Output, can be selectable by a toggle switch. PoE Voltage work from 9V-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 WiFi Coverage Solution for WISP



## Specifications

HARDWARE FEATURES	
Processor	MT7628
Memory	64MB SDRAM 8MB Flash
Interface	4X10/100BASE-TX Ethernet Interface

<b>PoE</b>	WAN/LAN1/LAN2 Support PoE Input/ Output 9-48V
<b>Power Consumption</b>	4W
<b>Power</b>	DC 9-48V, 2A Max
<b>Antenna Type</b>	4*5dBi Omni Antenna

<b>WIRELESS FEATURES</b>	
<b>Wireless Standards</b>	802.11b/g/n
<b>Protocol</b>	CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP
<b>Wireless Mode</b>	AP ,Repeater,WISP, Router
<b>Wireless Speeds</b>	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
<b>Frequency</b>	2.4-2.4835Hz

## SOFTWARE FEATURES

<b>Wireless Configurations</b>	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
<b>Management</b>	WEB management Remotely management by WAN 8080 Serial
<b>System-level Optimizations</b>	Optimized IGMP Snooping/Proxy for multicast applications
<b>System Requirements</b>	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°C

Storage Temp: -40 ~85°C

Working Humidity: 10%~95%  
non-condensing