

WR300F Optical Wireless Router

Features

- ◇ Complies with the IEEE 802.11b/g and IEEE802.11n
- ◇ 1 10/100M Auto-Negotiation RJ45 WAN port, 4 10/100M Auto-Negotiation RJ45 LAN ports, supporting Auto MDI/MDIX.
- ◇ High data rate up to 300Mbps network speed.
- ◇ WEP 64/128bit and WPA/WPA2
- ◇ Support local/Remote Web-based configuration
- ◇ Supports web-based configuration



Description

The WR300F optical Wireless 11N Router is a combined wired/wireless network connection device designed specifically for small business, office, and home office networking requirements. It complies with the IEEE 802.11n standard with wireless transmission speeds of up to 300M. The router features 4 10/100Mbps ports to achieve the most effective data transmission. It works well with other 11g and 11n protocol wireless products.

Parameter

| Item | Description |
|---------------------------------|---|
| Standard | IEEE802.11n current draft、IEEE 802.11g、IEEE 802.11b、IEEE 802.3、IEEE 802.3u、IEEE 802.3x |
| Protocol | CSMA/CA、CSMA/CD、TCP/IP、ICMP、NAT、PPPoE、DHCP、PPTP、UDP、NAT、DNS、DDNS、VPN |
| LAN | 4x100BaseTX (Auto MDI/MDIX) |
| WAN | 1x100Base-Fx optical (Auto MDI/MDIX) |
| Cable | Multi-mode Fiber: 50/125, 62.5/125um(the max distance up to 2km or 5km) Single-mode Fiber: 8/125,8.7/125, 9/125, 10/125um(the max distance up to 20-120km) |
| Wireless parameter RF Frequency | 2.4~2.4835GHz |
| Data rate | 11n: 300/270/243/216/162/108/81/54/27Mbps 135/121.5/108/81/54/40.5/27/13.5Mbps 130/117/104/78/52/39/26/13Mbps 72/65/58.5/52/39/26/19.5/13/6.5Mbps 11g: 54/48/36/24/18/12/9/6M (adaptive) 11b: 11/5.5/2/1M (adaptive) |
| Wireless transmit power | 20dBm(MAX) |

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| Receiver sensitivity | 135M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER |
| Channels | 1-11 (North America);1-13 (General Europe);1-14 (Japan) |
| WLAN modulation scheme | BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/64-QAM) |
| Antenna type | 1x2.4GHz Dipole Antenna; (1TX-1RX) |
| Wireless operation mode | Standard Access Point; Wireless WAN mode (Client Mode Wireless),WDS , WPS |
| Wireless security | WEP 64/128bit;MAC based Association; SSID broadcast disable; Wi-Fi Protection Access (TBD),WPA,WPA2 |
| Memories | Flash-2MB;SDRAM-16MB |
| Media | 100BASE-TX: UTP/STP Cat. 5 |
| Management type | Local/Remote Web-based configuration |
| LED | 1xPower, 1xCPU Status, 1xWireless, 1xWAN (optical) , 4xLAN |
| Operating temperature | 0 ~ 55℃ |
| Storage temperature | -20 ~ 65℃ |
| Humidity | 5 ~ 95% non-condensing |
| Power supply | External DC Power Adapter (linear); (Output DC9V,1A;Input 110V/220V) |

Applications

- ◇ SOHO Network
- ◇ WLAN
- ◇ LAN