

## 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	<b>External DC Power Adapter (linear);</b> (Output DC9V,1A;Input 110V/220V)

### Applications

- ◇ SOHO Network
- ◇ WLAN
- ◇ LAN