

Product Datasheet

5-port Gigabit Wireless Router

(ONV-LY1800GE)



OVERVIEW

The ONV-LY1800GE is a gigabit wireless router designed for homes of all sizes, offering ultra-high-speed connectivity. It supports next-generation WiFi 6 (802.11ax) technology on both 2.4GHz and 5GHz bands, achieving a dual-band concurrent speed of up to 1775Mbps (2.4GHz: 574Mbps, 5GHz: 1201Mbps). Compared to WiFi 5 routers, this represents a nearly 50% increase in wireless speed and a longer transmission distance. Its high-performance dual-core processor significantly enhances network load capacity, resulting in faster data forwarding and more stable long-term operation. Employing OFDMA and MU-MIMO technologies, it supports simultaneous internet access for more devices, significantly improving transmission efficiency and drastically reducing latency, making it the ideal choice for smart home networking!

FEATURE

- ◇ DC12V power supply
- ◇ 256MB RAM for large storage
- ◇ 1*10/100/1000Mbps adaptive WAN port

- ◇ 4*10/100/1000Mbps adaptive LAN ports
- ◇ Web browser management for easy setup
- ◇ Dual-core high-performance main chip processor
- ◇ Maximum simultaneous wireless client access of 128
- ◇ Dual-band WiFi 6 with a maximum wireless speed of 1775Mbps
- ◇ 4 external high-gain omnidirectional antennas for stronger signal
- ◇ Compliant with IEEE 802.3, IEEE 802.3u, and IEEE 802.3ab standards
- ◇ Dual-band 2.4GHz (574Mbps) and 5GHz (1201Mbps) operating frequency bands
- ◇ Support WPA-PSK, WPA2-PSK, WPA-PSK+WPA2-PSK, and WPA3-SAE encryption
- ◇ Compliant with IEEE 802.11ax/ac/a/n 5GHz and IEEE 802.11ax/b/g/n 2.4GHz standards

TECHNICAL SPECIFICATION

Model	ONV-LY1800GE
Hardware Specification	
CPU	BCM6755
FLASH	16MB
DDR	256MB
Wired Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab
Ethernet Interface	1*10/100/1000Mbps WAN port 4*10/100/1000Mbps LAN ports
Antenna	2*2.4GHz: 5dbi external omnidirectional antenna 2*5.8GHz: 5dbi external omnidirectional antenna
Button	1*reset button, 1*WPS
Power Supply Mode	DC12V input
Led Indicator	LED*1(SYS)
Software specification	
Working Mode	WAN mode: DHCP, PPPoE, static (fixed IP)

	Wireless relay
Internet	LAN/WAN replacement, LAN, DHCP server, VLAN, QoS, DDNS
	VPN: PPTP client/L2TP client, static routing, network detection
	Virtual server: Port forwarding, Virtual server: DMZ
Safety	MAC address filtering, IP address filtering, domain name filtering, WPS, WiFi plans, remote management
Others	Time zone, firmware upgrade, backup/restore, manage passwords, WatchCat, scheduled reboot/restart
Diagnostic Tool	PING network continuity detection, TRACEROUTE route tracing, and NSLOOKUP
Factory Default Setting	IP address: 192.168.2.1, login username/password: admin
Wireless Specification	
Wireless Standard	2.4GHz:IEEE 802.11b/g/n/ax, 5.8GHz:IEEE 802.11a/n/ac/ax
Wireless Rate	2.4GHz:574Mbps, 5.8GHz:1200Mbps
Wireless Frequency Band	2.4GHz & 5.8GHz
Wireless Encryption	WPA-PSK,WPA2-PSK,WPA-PSK/WPA2-PSK
Other Specification	
Operation Temp/ Humidity	-20℃~+55℃,10%~90% RH non-condensing
Storage Temp/ Humidity	-40℃~+80℃, 5%~90% RH non-condensing
Installation	Desktop, wall mounted
Dimension (L*W*H)	225*152*37mm
Net Weight	0.45Kg

PACKING LIST

	Content	Qty	Unit
Packing List	5-port Gigabit wireless router	1	PC
	User Guide	1	PC

CONTACT US



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