





Dual-Band Wi-Fi GPON Router

GWN7062G

The GWN7062G is a secure dual-band Wi-Fi GPON router powered by Wi-Fi 6 (802.11ax) technology. It provides dual-band 2×2 MU-MIMO with DL/UL OFDMA technology and supports wireless Mesh networking while providing 2.488Gbps downlink speeds and 1.244Gbps uplink speeds through the GPON interface. The GWN7062G supports dual-WAN, a GbE and a GPON port and uses a 1G quad-core A55 processor to guarantee maximum wired and wireless network speeds, making it ideal for smart home office, home automation, 4k ultra-HD, streaming media, web and video meetings, online gaming and more. It provides enterprise-grade security protection to ensure secure Wi-Fi and VPN access, including unique security certificates and random default passwords. By providing accelerated Wi-Fi speeds, IP routed subnet, parental control and other advanced security features, the GWN7062G offers internet and telecom service providers a cost-effective and powerful GPON delivery system.



Provides 2.488Gbps downlink speeds and 1.244Gbps uplink speeds through GPON



Dual-band 2x2:2 MIMO



Built-in VPN support allows easy access to corporate networks for remote employees



1 GHz quad-core A55 processor with 512MB RAM and 256MB NAND



Dual-WAN(1xGPON,1xGbE)



Parental control features including schedule internet usable time, Mac Blocking, URL blocking



Rich firewall features including Anti-DoS, traffic rules, NAT and ALG



2Gbps NAT routing performance, 64K NAT Session

CPU Frequency NAT sessions GAIN NAT recibility More sessions of the NAT sessions NAT Routing Performance WiF1 Standards Antennas Sentennas (SDB) IEEE R02.11 a/bright ax 22, MU-MIMO IEEE R	Memory	512MB RAM, 256MB NAND
NAT Sessions NAT Restions Packet Sensitivity Wi-Fi Standards BEES 802.11 alrylr/lax2ax Antennas BEES 802.11 bl/gr/lax2ax Wi-Fi Data Rates Frequency Bands Channel Bandwitch Frequency Bands Channel Bandwitch Maximum TX Power Maximum Maximum Maximum Maximum Maximum Maximum Maximum Maximum Ma		· ·
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Channel Bandwidth		IEEE 802.11 b/g/n/ax 2x2, MU-MIMO IEEE 802.11 a/n/ac/ax 3x3:2SS, MU-MIMO (160MHz) 2.4G: 574Mbps, 5G: 2402Mbps *Actual throughput may vary depending on many factors including environmental conditions, distance between devices, radio interfe-
Maximum TX Power	Frequency Bands	5GHz radio: 5150 - 5895 MHz
**coverage range can vary based on environment	Channel Bandwidth	
802.11 b:- 9748m@ Mbps, -8948m@ 40Mbps,	Maximum TX Power	
Supports WPA / WPA2 / WPA3 MIMO 2x2, MU-MIMO GPON Standards TU-T-984.X Standard GPON Speeds R:: 2.488Gbps / TX: 1.244Gbps Operating Wavelengths US 1310 nm / DS 1490nm Class B+ Optical System Maximum Receive Sensitivity: -8 dBm Minimum reception sensitivity: -28 dBm Maximum Receive Sensitivity: -28 dBm Maximum Receive Sensitivity: -28 dBm Minimum reception sensitivity: -28 dBm Multicast IV WPS, 1x Reset, 1x USB3.0, 1x DC in, 1x Power Button Multicast IGMP v2 (RFC 2236) & IGMP v3 (RFC 3376) Pv4, IPv6 and IPv4/IPv6 dual-stack, IEEE802.1Q, IEEE 802.1p, IEEE802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.3ab IP Routing Static IP / PPPOE / DHCP/ Bridge Firewall DDNS, NAT/NAPT, UPNP, SNTP, Port-Forwarding, DMZ, Anti-DoS Security Application&protocol filtering and traffic statistics with Deep Packet Inspection, IP/MAC/DNS filtering IPSec: IPSec Authentication: MDS, SHA-1, SHA2-256 IPSec Authentication: MDS, SHA-1, SHA2-256 IPSec Authentication: MDS, SHA-1, SHA2-256 IPSec Protocols: ESP OLT Systems Supported HUAWEI, ZTE, Fiberhome, NOKIA, etc Power Supply 12V1.5A Operation: -5°C to 55°C Storage: 20°C to 70°C Humidity: \$\$k to 95% Physical	Receiver Sensitivity	802.11b: -97dBm@1Mbps, -89dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11 5G: 802.11a: -93dBm @6Mbps, -75dBm @54Mbps; 802.11a: -93dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7 802.11ac 20MHz: -73dBm @MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -61dBm @MCS11;802.11ax 80MHz: -58dBm @
GPON Standards GPON Speeds RX: 2.488Gbps / TX: 1.244Gbps Operating Wavelengths US 1310 nm / DS 1490nm Class B+ Optical System Maximum Receive Sensitivity: -8 dBm Minimum reception sensitivity: -28 dBm Minimum	Wi-Fi and System Security	
GPON Speeds Operating Wavelengths US 1310 nm / DS 1490nm Class B+ Optical System Maximum Receive Sensitivity: -8 dBm Minimum reception sensitivity: -28 dBm Minimum reception	МІМО	2x2, MU-MIMO
Operating Wavelengths Normal Optical Power Range Maximum Receive Sensitivity: -8 dBm Maximum Receive Sensitivity: -28 dBm Minimum reception sensitition sensitition sensition sensition sensition sensition sensition	GPON Standards	ITU-T.984.X Standard
Normal Optical Power Range Class B+ Optical System Maximum Receive Sensitivity: -8 dBm Maximum Receive Sensitivity: -28 dBm Network Interfaces 3 dbE LAN(R)45), 1 dbE WAN/LAN(R)45), 1 GPON WAN(SC/APC) Auxiliary Ports 1x WPS, 1x Reset, 1x USB3.0, 1x DC in, 1x Power Button Multicast IGMP v2 (RFC 2236) & IGMP v3 (RFC 3376) Network Protocols IPv4, IPv6 and IPv4/IPv6 dual-stack, IEEE802.1Q, IEEE 802.1p, IEEE802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.3ab IP Routing Firewall DDNS, NAT/NAPT, UPnP, SNTP, Port-Forwarding, DMZ, Anti-DoS Security Application&protocol filtering and traffic statistics with Deep Packet Inspection, IP/MAC/DNS filtering IPSec VPN Performance VPN IPSec Encryption: DES, 3DES, AES IPSec Authentication: MDS, SHA-1, SHA2-256 IPSec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14 IPSec Protocols: ESP OLT Systems Supported Power Supply 12V/1.5A Operation: -5°C to 55°C Storage: -20°C to 70°C Humidity: 5% to 95% Physical 200*125*36 mm	GPON Speeds	RX: 2.488Gbps / TX: 1.244Gbps
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Security Application&protocol filtering and traffic statistics with Deep Packet Inspection, IP/MAC/DNS filtering IPSec VPN Performance 500+Mbps IPSec:	IP Routing	Static IP / PPPoE / DHCP/ Bridge
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Power Supply 12V/1.5A Operation: -5°C to 55°C Storage: -20°C to 70°C Humidity: 5% to 95% Physical 200*125*36 mm	VPN	IPSec Encryption: DES, 3DES, AES IPSec Authentication: MD5, SHA-1, SHA2-256 IPSec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14
Coperation: -5°C to 55°C Storage: -20°C to 70°C Humidity: 5% to 95% Physical 200*125*36 mm	OLT Systems Supported	HUAWEI, ZTE, Fiberhome, NOKIA, etc
Environmental Storage: -20°C to 70°C Humidity: 5% to 95% Physical 200*125*36 mm	Power Supply	12V/1.5A
·	Environmental	Storage: -20°C to 70°C
Compliance FCC, CE, RoHS	Physical	200*125*36 mm
	Compliance	FCC, CE, RoHS