

D-Link®

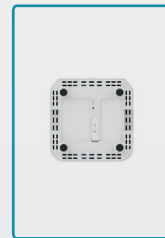
5G CPE

Wi-Fi 6 AX3000



DWR-3000M

- Next generation 5G connectivity speeds up to 3.2Gbps¹
- High Speed WiFi 6 AX3000
- 4 Gigabit Ethernet LAN ports and 1 Gigabit Ethernet WAN port
- 1 RJ11 Voice Port with the support of VoNR, VoLTE, CS and VoIP
- 1 USB 3.0 Port
- Connect up to 128 devices to your home Wi-Fi network
- Latest Wi-Fi security with 128-bit encryption



3.2 Gbps / 600 Mbps
High-speed 5G Internet

Connect with next-generation 5G speeds up to 3.2 Gbps¹ and experience lightning-fast downloads, lower latency and reduced congestion



Dual-Band AX3000

2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz) - Plenty of bandwidth for video streaming, cloud storage, social media, and downloading



Gigabit Ethernet Ports

High-speed connections for wired devices and wired broadband



Up to 128 Devices

Connect all of your home's Wi-Fi devices to share a single broadband connection



SIM Slot

Simply insert your SIM card to share your mobile broadband connection throughout the home



Supports IPv6

Future-proof and compatible with the next generation of Internet standards

Technical Specifications

Hardware Parameters

Chipset	5G Chipset WiFi Chipset
Wi-Fi	AX3000 WiFi 6 2x2 160MHz
Device Interfaces	4 x RJ45 10M/100M/1000M LAN Ethernet 1 x RJ45 1000M WAN Ethernet interface 1 x reset button 1 x WPS button 1 x Power jack 1X USB 3.0 1 x RJ11 Phone jack

Wi-Fi Features

Standard	802.11a/b/g/n/ac/ax 2.4G: 2.4~2.4835GHz 5G: 5.150~5.825GHZ Korea, Japan, ETSI, FCC channels can be selected
Modulation schemes	OFDM = BPSK,QPSK, 16-QAM, 64-QAM 256-QAM 1024-QAM DSSS = DBPSK, DQPSK, CCK
Transfer Rate	HE20: up to 574Mbps 2.4G+5G HE40: up to 1147Mbps 2.4G+5G HE80: up to 1201Mbps 5G HE160 up to 2402Mbps 5G

5G /LTE Features

5G/ LTE Standards	Release 16, Cat.19 5G NR
5G/ LTE Frequency Support	5G NR SA: n1/n3/n7/n8/n20/n28/n38/n40/n41/n71/ n77/n78 5G NR NSA: n1/n3/n7/n8/n20/n28/n38/n40/n41/n71/ n77/n78 LTE FDD: B1/B3/B7/B8/B20/B28/B71 LTE TDD: B38/B40/B41/B42/B43
5G/LTE Throughput	5G SA Sub-6 : DL 2.4Gbps; UL 900Mbps 5G NSA Sub-6: DL 3.2Gbps; UL 600Mbps LTE: DL 1.6Gbps; UL 200Mbps
MIMO	DL: 4 × 4 UL: 2 × 2(only support 5G SA)
Output Power	23dBm±2dBm

Software Features

General	Wireless Main Protocols: <ul style="list-style-type: none">- IEEE 802.11a- IEEE 802.11b- IEEE 802.11g- IEEE 802.11n- IEEE 802.11ac- IEEE 802.11ax- IEEE 802.11h(dfs)- IEEE 802.11e(wmm)- IEEE 802.11k/v/r	Mobile Main Protocols: <ul style="list-style-type: none">- 3GPP Release 15
	Wireless Specification Features: <ul style="list-style-type: none">- Embedded AP with 8 SSIDs on each Radio- Separate authentication for each SSID- Wmf- AutoChannel- BSD- easyMesh- WPA3/SAE Security	Mobile Specification Features: <ul style="list-style-type: none">- 5G SA & 5G NSA- VOLTE- APN & Dial Settings- NAT support- Bridge Mode- Pin Management- Message Management- SIM lock/band lock/cell lock support- AT Command Web interface provided

Voice Main Protocols:

- RFC3261 (optional)
- RFC2833 inbound(optional)
- RFC4028 (optional)
- RFC3711 (optional)
- RFC3550 (optional)
- RFC3960 (optional)
- RFC5009 (optional)
- RFC 3711 (optional)
- RFC 4568 (optional)

Voice Spec Features:

- VOIP(optional)
- SIP Proxy(optional)
- Codec: G711 & G722 & G723 & G729 (optional)
- Fax T.38 & V.17 & V.34 & V.152 (optional)
- VAD (Voice Activity Detection) (optional)
- Silence suppression(optional)
- CNG (Comfort Noise Generation) (optional)
- Supports G.168 (echo cancellation) (optional)

Network Main Protocols:

- RFC0768 UDP
- RFC0791 IP
- RFC0792 ICMP
- RFC0793 TCP
- RFC0826 Ethernet ARP
- RFC0894 IP over Ethernet
- RFC0922 Broadcasting Internet Datagrams
- RFC0950 Internet Standard Subnetting
- IEEE802.3 Ethertype
- IEEE802.1p
- RFC2516 PPP Over Ethernet (PPPoE)
- RFC1662 PPP in HDLC-like Framing
- RFC1332 PPP Internet Protocol Control Protocol
- RFC1042 Transmission of IP Datagrams over IEEE 802 Networks
- IPoE (a.k.a IP over Ethernet over AAL5)

Network Spec Features:

- IPv4/IPv6 dual stack
- 6RD
- IPoE Bridge Mode
- IPoE DHCP/Static
- PPPoE Dynamic/Static
- IPv6 Stateless/Stateful
- PPTP, L2TP GRE IPSEC VPN
- IGMP proxy and MLD for IPTV
- DNS Proxy
- DHCP server
- NAT, NATP and ALG

Other Spec Features:

- QOS Flow Control
- Samba/DLNA/FTP
- NAT,NAPT and ALG
- DMZ and Port forwarding(Virtual server)
- SPI Firewall, Denial of Service (DoS) protection
- Port filtering, IP filtering and MAC filtering
- URL filter
- DDNS
- Static route
- SNTP Date/time update from Internet Time Server
- Diagnostics(Ping/TraceRoute)
- Logs and statistics
- Automatic timing restart

Management Features:

- WEB GUI
- Command line tools(telnet/ssh)
- TR-069 remote management
- TR181/TR104/TR140/TR143/TR157(periodicstatistics)
- SNMPv2
- UPNP

Environment Requirement

Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~ 90°C
Operating Humidity	5%~95% (typical)
Power Supply	12V/1.5A

EMC/Safety

Regulation Compliance	CE
Safety Regulations	UL
Green Standard	RoHS