

GCC6010W

	Router Specification		Compliance	Remarks
1	Standards	Wi-Fi 6	Yes	
		IEEE 802.11ax/ac/n/a 5 GHz	Yes	
		IEEE 802.11ax/n/b/g 2.4 GHz	Yes	
2	Wi-Fi Speeds	5 GHz: 4804 Mbps (802.11ax, HE160)	Partially	Support 3.6Gbps only
		2.4 GHz: 574 Mbps (802.11ax)	Yes	
3	Wi-Fi Range	6× Fixed High-Performance Antennas	Partially	Support 3Antennas
		Multiple antennas form a signal-boosting array to cover more directions and large areas	Yes	
		Beamforming	Yes	
		Concentrates wireless signal strength towards clients to expand Wi-Fi range	Yes	
		High-Power FEM		
		Improves transmission power to strengthen signal coverage	Yes	
		4T4R	Partially	2T2R in 2.4Ghz and 3T3R in 5Ghz
		Multiple streams in the same band strengthen the fault tolerance in transmission	Yes	
4	Wi-Fi Capacity	Dual-Band	Yes	
		Allocate devices to different bands for optimal performance	Yes	
		4×4 MU-MIMO	No	2X2 MU-MIMO and 3X3 MU-MIMO
		Simultaneously communicates with multiple MU-MIMO clients	Yes	
		OFDMA	Yes	
		Simultaneously communicates with multiple Wi-Fi 6 clients	Yes	
		Airtime Fairness	Yes	
		Improves network efficiency by limiting excessive occupation	Yes	
		DFS	Yes	
		Access an extra band to reduce congestion	Yes	
		6 Streams	No	Support 4 Streams
		Connect your devices to more bandwidth	Yes	
5	Working Modes	Router Mode	Yes	
		Access Point Mode	No	
6	Network Security	SPI Firewall	Yes	
		Access Control	Yes	
		IP & MAC Binding	Yes	
		Application Layer Gateway	Yes	
		HomeShield Security	No	
		Real-Time IoT Protection	Yes	
		Malicious Site Blocker	Yes	

		Intrusion Prevention System	Yes	
		DDoS Attack Prevention	Yes	
		Home Network Scanner	No	
7	Guest Network	1× 5 GHz Guest Network	Yes	
		1× 2.4 GHz Guest Network	Yes	
8	VPN Server	• OpenVPN	Yes	
		• PPTP	Yes	
		• L2TP	Yes	
9	VPN Client	• OpenVPN	Yes	
		• PPTP	Yes	
		• L2TP	Yes	
10	Wi-Fi Encryption	WPA	Yes	
		WPA2	Yes	
		WPA3	Yes	
		WPA/WPA2-Enterprise (802.1x)	Yes	
11	Processor	1.5 GHz Triple-Core CPU	No	2GHz 4-Core CPU
12	Ethernet Ports	1× Gigabit WAN Port	Yes	
		4× Gigabit LAN Ports	Yes	
		Static Link Aggregation (LAG) available with 2× LAN ports	No	
13	USB Support	1× USB 3.0 Port	Yes	
		Supported Partition Formats:		
		NTFS, exFAT, HFS+, FAT32	Partially	Support exFAT, ext4, FAT32, F2FS, NTFS.
		Supported Functions:		
		Apple Time Machine	No	
		FTP Server	No	
		Media Server	No	
		Samba Server	No	
14	Protocols	IPv4	Yes	
		IPv6	Yes	
15	Parental Controls	Custom Profiles	No	
		Professional Content Filter Library	No	
		Family Time	No	
		Bedtime	No	
		Off Time	No	
		Time Rewards	No	
		Family Online Time Ranking	No	
		Pause the Internet	No	
		Weekly and Monthly Reports	No	
		Dynamic IP	Yes	
		Static IP	Yes	

16	WAN Types	PPPoE	Yes	
		PPTP	No	
		L2TP	No	
17	Quality of Service	QoS by Device	Yes	
18	Cloud Service	Auto Firmware Upgrade	Yes	Need to upgrade manual
		DDNS	Yes	
19	NAT Forwarding	Port Forwarding	Yes	
		Port Triggering	No	
		DMZ	Yes	
		UPnP	Yes	
		Virtual Server	No	
20	IPTV	IGMP Proxy	Yes	
		IGMP Snooping	Yes	
		Bridge	No	
		Tag VLAN	Yes	
21	DHCP	Address Reservation	Yes	
		DHCP Client List	Yes	
		Server	Yes	
22	Certifications	FCC, CE, RoHS	Yes	
23	Wi-Fi Transmission Power	CE:	Yes	5G: 25.5dBm 2.4G: 28.5dBm *Maximum power varies by country, frequency band and MCS rate
		<20dBm{2.4GHz}		
		<23dBm{5.15GHz~5.35GHz}		
		<30dBm{5.47GHz~5.725GHz}		
		FCC:	Yes	
		<24dBm{5.25GHz~5.35GHz&5.47GHz~5.725GHz }		
		<30dBm{2.4GHz &5.15GHz~5.25GHz&5.725GHz~5.825GHz }		
24	Wi-Fi Reception Sensitivity	2.4GHz:		2.4G 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
		11ac VHT20 MCS0:-94.5dBm		
		11ac VHT20 MCS8:-72.5dBm		
		11ac VHT40 MCS0:-92.5dBm		
		11ac VHT40 MCS9:-69.5dBm		
		11ax HE20 MCS0:-95dBm		
		11ax HE20 MCS11:-64.5dBm		
		11ax HE40 MCS0:-92.5dBm		
		11ax HE40 MCS11:-62dBm		
		5GHz:		

		11ac VHT20 MCS0:-97dBm		5G
		11ac VHT20 MCS8:-74dBm		802.11a: -93dBm @6Mbps, -
		11ac VHT40 MCS0:-95dBm		75dBm @54Mbps;
		11ac VHT40 MCS9:-70dBm		802.11n: 20MHz: -73dBm
		11ac VHT80 MCS0:-91.5dBm		@MCS7; 802.11n 40MHz: -
		11ac VHT80 MCS9:-66dBm		70dBm @MCS7
		11ac VHT160 MCS0:-86dBm		802.11ac 20MHz: -
		11ac VHT160 MCS9:-61dBm		70dBm@MCS8; 802.11ac:
		11ax HE20 MCS0:-95dBm		HT40:- 66dBm @MCS9;
		11ax HE20 MCS11:-64dBm		802.11ac 80MHz: -62dBm
		11ax HE40 MCS0:-91.5dBm		@MCS9;
		11ax HE40 MCS11:-62dBm		802.11ax 20MHz: -64dBm @
		11ax HE80 MCS0:-88dBm		MCS11; 802.11ax 40MHz: -
		11ax HE80 MCS11:-58dBm		61dBm @MCS11;802.11ax
		11ax HE160 MCS0:-85.5dBm		80MHz: -58dBm @MCS11
		11ax HE160 MCS11:-55dBm		802.11ax 160MHz: -
				54dBm@MCS11

GWN7062 Router				
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		11ac VHT80 MCS0:-91.5dBm		
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		11ac VHT160 MCS0:-86dBm		
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