

Grandstream GWN7674 Wireless Access Point (GWN7674)



Product Name: Grandstream GWN7674 Wireless Access Point (GWN7674)

Manufacturer: Grandstream

Model Number: GWN7674

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The GWN7674 is a powerful enterprise-grade Wi-Fi 7 access point that provides speeds up to 21Gbps (BE21000), ideal for demanding environments with medium-to-high user density. It offers 4x4:4 MU-MIMO on 5G and 6G bands, 2x2:2 MU-MIMO on 2.4G bands with DL/UL Enhanced OFDMA technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. It is equipped with an independent scanning radio module that can monitor the wireless quality in the environment and the signal status of the terminal device in real time. It will soon support seamless intelligent roaming and intelligent QoS strategies to provide stable wireless data services for terminals. GWN7674 is also equipped with advanced Wi-Fi 7 technology such as Multi-RU, Preamble Puncturing technology, 4096 QAM modulation and MLO technology to ensure a smooth experience for every user. To ensure easy installation and management, the GWN7674 uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7674 is also supported by GDMS Networking and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform. It is the ideal Wi-Fi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's Wi-Fi-capable IP phones. With support for low-latency real-time applications, mesh networks, captive portals, BLE 5.3, 768 concurrent clients per AP, 1 x 2.5 Gigabit network port and 1 x 10 Gigabit network port with PoE++, GWN7674 is an ideal Wi-Fi access point for medium wireless network deployments with medium-to-high user density.

Grandstream GWN7674 Key Features:

- 4x4:4 MU-MIMO on 5G & 6G bands
- 2x2:2 MU-MIMO on 2.4G band with DL/UL Enhanced OFDMA
- 21 Gbps aggregate wireless throughput
- 12.5 Gbps aggregate wired throughput
- Coverage range up to 175 meters
- Supports up to 768 concurrent Wi-Fi clients

Grandstream GWN7674 Wireless Access Point - Technical Specifications

Radio

Antenna:

- 12 single built-in antennas
- 2.4GHz x 2, gain 4.5dBi
- 5GHz x 4, gain 5.5dB
- 6GHz x 4, gain 6.0dBi
- BT x 1, gain 4.5dBi
- Scanning x 1, gain 2.4G:4.5dBi/ 5G:5.5dBi

MIMO:

- 2.4GHz: 2x2:2, MU-MIMO
- 5GHz: 4x4:4, MU-MIMO
- 6GHz: 4x4:4, MU-MIMO

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Frequency Bands:

2.4GHz Radio: 2400 - 2483.5 MHz

5GHz Radio: 5150 - 5850 MHz

6GHz Radio: 5945 - 7125 MHz

*Not all frequency bands can be used in all regions

Channel Bandwidth:

2.4G: 20 and 40MHz

5G: 20, 40, 80, 160 and 240MHz

6G: 20, 40, 80, 160 and 320MHz

Wi-Fi Data Rates: 2.4G

IEEE 802.11be: Up to 688 Mbps

IEEE 802.11ax: 7.3Mbps to 574 Mbps

IEEE 802.11n: 6.5Mbps to 300Mbps

IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

IEEE 802.11b: 1, 2, 5.5, 11 Mbps

5G

IEEE 802.11be: Up to 8647 Mbps

IEEE 802.11ax: 7.3 Mbps to 4804 Mbps

IEEE 802.11ac: 6.5 Mbps to 3466 Mbps

IEEE 802.11n: 6.5 Mbps to 1200 Mbps

IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

6G:

IEEE 802.11be: Up to 11529 Mbps

IEEE 802.11ax: 8 Mbps to 4804 Mbps

*Actual throughput may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment and mix of devices in the network

Maximum TX Power

2.4G: 27dBm

5G: 27dBm

6G: 25dBm

*Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity2.4G

802.11b: -96dBm @1Mbps, -88dBm @11Mbps;

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IEEE 802.11g: -93dBm @6Mbps, -75dBm @54Mbps;
IEEE 802.11n 20MHz: -73dBm @MCS7;
IEEE 802.11n 40MHz: -70dBm @MCS7;
IEEE 802.11ax 20MHz: -65dBm @MCS11;
IEEE 802.11ax 40MHz: -62dBm @MCS11;
IEEE 802.11be 20MHz: -65dBm @MCS11;
IEEE 802.11be 40MHz: -62dBm @MCS11;

5G

IEEE 802.11a: -92dBm @6Mbps, -74dBm @54Mbps;
IEEE 802.11n 20MHz: -73dBm @MCS7;
IEEE 802.11n 40MHz: -70dBm @MCS7;
IEEE 802.11ac 20MHz: -70dBm @MCS8;
IEEE 802.11ac 40MHz: -65dBm @MCS9;
IEEE 802.11ac 80MHz: -62dBm @MCS9;
IEEE 802.11ac 160MHz: -59dBm @MCS9;
IEEE 802.11ax 20MHz: -64dBm @MCS11;
IEEE 802.11ax 40MHz: -61dBm @MCS11;
IEEE 802.11ax 80MHz: -59dBm @MCS11;
IEEE 802.11ax 160MHz: -55dBm @MCS11;
IEEE 802.11be 20MHz: -59dBm @MCS13;
IEEE 802.11be 40MHz: -56dBm @MCS13;
IEEE 802.11be 80MHz: -54dBm @MCS13;
IEEE 802.11be 160MHz: -52dBm @MCS13;

6G

IEEE 802.11ax 20MHz: -62dBm @MCS11;
IEEE 802.11ax 40MHz: -59dBm @MCS11;
IEEE 802.11ax 80MHz: -57dBm @MCS11;
IEEE 802.11ax 160MHz: -53dBm @MCS11;
IEEE 802.11be 20MHz: -57dBm @MCS13;
IEEE 802.11be 40MHz: -54dBm @MCS13;
IEEE 802.11be 80MHz: -52dBm @MCS13;
IEEE 802.11be 160MHz: -50dBm @MCS13;
IEEE 802.11be 320MHz: -47dBm @MCS13

IEEE Coverage Range: Up to 175 meters *Coverage range can vary based on environment
IEEE Bluetooth®; BLE 5.3

For full Technical Specifications please see the Datasheet in Download.

Price: £219.80