

Grandstream GWN7602 WiFi Access Point with Integrated Ethernet Switch



Product Name: Grandstream GWN7602 WiFi Access Point with Integrated Ethernet Switch
Manufacturer: Grandstream
Model Number: GWN7602

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The Grandstream GWN7602 is a compact WiFi access point designed for small businesses, homes, offices, hotels and more. It provides three 100Mb ports to provide IP phones, IPTV, computers and similar devices with ethernet while also providing an uplink Gigabit network port with PoE/PoE+ and PSE. The GWN7602 offers dual band 2x2:2 MIMO technology and a sophisticated antenna design for ideal network throughput that supports up to 80 clients and a 100 meter coverage range.

Grandstream GWN7602 Key Features

- 1.17Gbps aggregate wireless throughput, 1x Gigabit and 3x 100Mbit wireline speed
- Up to 100 meters coverage range
- Self power adaptation upon auto detection of PoE/PoE+ and PSE
- Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device
- Support up to 80 Wi-Fi client devices
- Advanced QoS to ensure real-time performance of low-latency applications

To ensure easy installation and management, the GWN7602 is supported by GWN.Cloud, Grandstream's free cloud WiFi management platform. The GWN7602 is the ideal WiFi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's WiFi-capable voice and video IP phones. By including support for advanced QoS, lowlatency real-time applications, mesh networks and captive portals, the GWN7602 is a wireless access point built for deployment scenarios with small to medium user density.

Grandstream GWN7602 Technical Specification

WiFi Standards

- IEEE 802.11a/b/g/n/ac

Antennas

- 2 dual band internal antennas.
- Antenna 1 - 2.4GHz: gain 3.0dBi, 5GHz: gain 3.5dBi
- Antenna 2 - 2.4GHz: gain 3.5dBi, 5GHz: gain 3.0dBi

WiFi Data Rates

- IEEE 802.11ac: 6.5 Mbps to 867Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- IEEE 802.11n: 6.5Mbps to 300Mbps
- IEEE 802.11b: 1, 2, 5.5, 11Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 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

Frequency Bands

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• 2.4 GHz Radio: 2412 – 2484 MHz

• 5 GHz Radio: 5150-5250 MHz, 5250-5350 MHz, 5470-5725 MHz, 5725-5850 MHz

*Not all frequency bands can be used in all regions. The band 5150-5350 MHz is restricted to indoor use only in all EU states.

Channel Bandwidth

• 2.4G: 20 and 40MHz

• 5G: 20, 40, 80MHz

System Security

• WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise

Mesh

• 5G radio

Coverage Range

• Up to 100 meters

*Coverage range can vary based on environment

Maximum TX Power

• 2.4G: 21 dBm

• 5G: 21 dBm

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

Receiver Sensitivity

• 2.4G: 802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm@6Mbps, -76dBm@54Mbps; 802.11n20MHz: -92dBm@MCS0, -73dBm@MCS7; 802.11n40MHz: -88.5dBm@MCS0, -71dBm@MCS7

• 5G: 802.11a: -91dBm@6Mbps, -73.5dBm@54Mbps; 802.11ac: VHT20: -89.5dBm@MCS0, -71.5dBm@MCS7, -64dBm@MCS8; VHT40: -87.5dBm@MCS0, -69.5dBm@MCS7, -62dBm@MCS9, VHT80: -83.5dBm@MCS0, -65.5dBm@MCS7, -58.5dBm@MCS9

SSIDs

• 4 SSID per radio

Concurrent clients

• Up to 80

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Network Interfaces

- 1 x 10/100/1000M uplink Ethernet port with POE/POE+
- 2 x 10/100M Ethernet port with PSE
- 1 x 10/100M Ethernet port

Auxiliary Ports

- 1x Reset Pinhole

Mounting

- Wall mountable

LEDs

- 1x tri-colour LEDs for device tracking and status indication

Network Protocols

- IPv4/IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

- 802.11e/WMM, VLAN, TOS

Network Management

- GWN.Cloud offers a free cloud management platform for unlimited GWN APs
- GWN.Manager (coming soon) offers premise-based software controller for up to 3,000 GWN APs

Power and Green Energy Efficiency

- Support 802.3 az; PoE 802.3af/ 802.3at
- PSE max output per port: 6W; Max Consumption: 20 W

Environmental

- Operation: 0°C to 40°C
- Storage: -10°C to 60°C
- Humidity: 10% to 90% Non-condensing

Physical

- Unit Dimension: 135 x 115 x 30mm
- Unit Weight: 188g
- Entire Package Dimension: 171 x 140 x 33mm
- Entire Package Weight: 278.5g

Package Content

Grandstream GWN7602 WiFi Access Point with Integrated Ethernet Switch

½ GWN7602 802.11ac Wireless AP

½ Quick Start Guide

Compliance

½ FCC, CE, RCM, IC

Price: £45.20
