

Grandstream GWN7302

PtP/PtMP Fixed Wireless Bridge



Consolidate High-Performance Networks

The GWN7302 is a new enterprise PtP/PtMP Fixed Wireless Bridge, ideal for medium-to-large businesses that need to provide long-distance wireless data transmission. It offers single-band 2x2:2 MIMO and a sophisticated antenna design with TDMA technology to improve spectrum utilization efficiency, reduce interference, and enhance network stability. It supports PtP and PtMP modes to meet different scenarios. It offers IP66-level weatherproof capability to ensure equipment stability. One key pairing can quickly synchronize and connect devices, combined with the signal strength LEDs to guide the antenna alignment, simplifying the installation and use of the device.

Product Positioning

To ensure easy installation and management, the GWN7302 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. The GWN7302 is supported by the GWN App, which can be configured by connecting to the Wi-Fi broadcast by the device itself when it is not convenient to access the LAN, and the GDMS cloud platform offers remote management. It has a 2x1 Gigabit network port, supporting PoE IN and PoE OUT respectively. GWN7302 is an ideal long-range wireless bridge for factories, construction sites, parking lots, scenic locations, and more.

GWN7302 Competitive Comparison

- Up to 5-kilometer coverage range
- 2.4Gbps aggregate wireless throughput, 2x1
- IP66 level weatherproof
- Up to 2.4Gbps aggregate wireless throughput
- Single-band 2x2:2 MIMO with TDMA technology
- Advanced QoS to ensure real-time performance of the wireless bridge
- Convenient and intelligent management through a web GUI, GWN App, GDMS Networking, and GWN Manager for flexible deployment scenarios



1 to 4 Point to
Multipoint



Web and One Key
Pairing



WPA2-PSK and
WPA3-PSK Security



Up to 5 Kilometer
Coverage Range

Grandstream GWN7302 Competitive Differentiators



High-Performance Bridging

The GWN7302 is an enterprise-grade PtP/PtMP system, designed to provide a high-performance bridging solution for locally separated networks. With a focus on performance and range, this is a perfect device for medium-to-large organizations.

- **Sophisticated Antenna Design:** TDMA technology helps improve spectrum utilization efficiency, reduces interference, and enhances network stability
- **2.4Gbps Speeds and 5 km Range:** Network integrators can be confident in the GWN7302's ability to successfully perform even in more demanding deployment scenarios, with quick wireless throughputs and superior range to get more done with fewer devices

Flexible & Free Management

Outside of the built-in controller, there are other free ways to manage a GWN7302 wireless bridge.

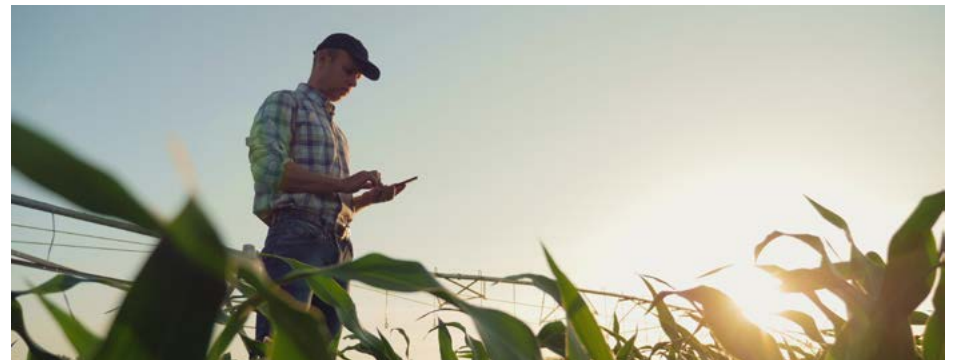
- **GWN App:** The GWN7302 can be configured and managed via a smart device by using the GWN App
- **GDMS Networking:** Grandstream Device Management System enables users to configure and monitor GWN7302 wireless bridge deployments via the cloud platform using SSH tunneling
- **GWN Manager:** GWN7302's can also be managed through our locally-hosted, software version of GDMS Networking, GWN Manager



Flexible Network Features

The GWN7302 comes equipped with advanced performance-boosting features that allow it to be deployed in diverse use-case scenarios.

- **IP66 Weatherproofing:** IP66 weatherproofing enables the GWN7302 to operate in the harshest conditions, with operational temperature ranges from -30 degrees celcius (-22 F) to 60 degrees celcius (140 F)
- **One-Key Pairing:** A one-key pairing system simplifies the installation process and use of the device.
- **Controllerless Design:** While the GWN7302 can be managed via GDMS, GWN Manager, and the GWN App, it also features a controllerless distributed network design, enabling users to completely manage GWN7302 network devices via the web interface
- **System Tools:** Core system tools such as Link Testing, Antenna Alignment, and a Spectrum Analyzer help installers maximize the signal quality between one GWN7302 and the next



Grandstream GWN7302 Deployment Scenarios

Logistics

Harbors, supply chain junctions, railyards, and other logistics deployments frequently stretch across expansive outdoor areas with facilities dispersed among that space.

- GWN7302s can link buildings and their IT infrastructure together into a single network, without using expansive amounts of wiring
- IP66-level weatherproofing and wide operational temperatures ensure network reliability even during severe weather

Multi-Building Campus

Corporate, university, medical, and other organizational campuses can take advantage of a GWN7302 to quickly scale high-speed networks

- With support for GDMS, GWN Manager, and GWN App configuration, GWN7302s can easily be managed and monitored with an entire IT infrastructure of Grandstream switches, Wi-Fi access points, IP phones, and more
- With an aggregate wireless throughput of 2.4Gbps, a GWN wireless bridge can support a high-performance connection for auxiliary facilities

Agriculture

Farms, ranches, and other agricultural scenarios typically require network access across vast expanses of land.

- A GWN7302's second ethernet port has a PSE output power of 25W, enabling the powering of auxiliary devices such as Grandstream outdoor long-range Wi-Fi access points or loudspeakers
- With a 5-kilometer range, a deployment of GWN7302s can easily spread a network across an entire landscape

