



Partner Marketing Kit



GWN7302

PtP/PtMP Fixed Wireless Bridge

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PtP/PtMP Fixed Wireless Bridge

Sales Kit

The sales kit is a guide to everything you need to know about selling the GWN7302 - PtP/PtMP Fixed Wireless Bridge. The kit includes: Overview and Basics, Key Differentiators, Comparison Charts, Deployment Scenarios, and Integration with other Grandstream Products.

Translations

[English](#)
[Spanish](#)
[Portuguese](#)

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 MIMO and a sophisticated antenna design with TDMA technology to improve spectrum utilization efficiency, reduce interference, and enhance network stability. It supports PTP and PMP 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 21Gbps aggregate wireless throughput, 12.5Gbps aggregate wired throughput, depending on the device
- Single-band 2x2 MIMO with TDMA technology
- Advanced QoS to ensure real-time performance of low-latency applications
- Convenient and intelligent web management; GWN App management; GDMS Networking offers a remote management via SSH tunneling

Key Differentiators

- 1 to 4 Point to Multipoint**
- Web and One Key Pairing**
- WPA2-PSK and WPA3-PSK Security**
- Up to 5 Kilometer Coverage Range**

Enterprise Bridging

Enterprise-grade PtP/PtMP system, high-performance bridging solution works. With a focus on performance for medium-to-large

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 Celsius (-22 F) to 60 degrees Celsius (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.

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:** GWN7302s can also be managed through our locally-hosted, software version of GDMS Networking, GWN Manager

Grandstream GWN7302 Key Differentiators

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PtP/PtMP Fixed Wireless Bridge

Presentation



Translations:

[GWN7302_Spanish \(PPT\)](#)

[GWN7302_Spanish \(PDF\)](#)

[GWN7302_portuguese \(PPT\)](#)

[GWN7302_portuguese \(PDF\)](#)

PtP/PtMP Fixed Wireless Bridge

Videos



Translations:

[GWN7302 Promotional_English](#)

[GWN7302 Promotional_Spanish](#)

[GWN7302 Promotional Portuguese](#)

[GWN7302 paring guide Spanish](#)

[GWN7302 paring guide Portuguese](#)

PtP/PtMP Fixed Wireless Bridge Comparison Charts

Comparison Charts are short one page resources that clearly highlight the features of Grandstream's products against competitors products or Grandstream's products within the same product line.

Grandstream Products vs Competition -

Comparing the features of Grandstream's products against similar competitor's products

Comparison Charts

[GWN7302 vs Competition](#)

[GWN7302 vs Competition Spanish](#)

[GWN7302 vs Competitor portuguese](#)

 GRANDSTREAM						
GWN7302 vs Industry Competition						
						
Model	GWN7302	EnGenius ENH500-AX	Ubiquiti airMAX Power-Beam SAC (PBE-SAC-Gen2)	TP-Link CPE710	Ruijie Reyee RG-EST350 V2	
Antenna	2 single internal antennas, 5dBi x 2, gain 13.5dBi	2 single internal antennas, 5dBi x 2, gain 13.5dBi	High gain, integrated dish reflector antenna system, gain 25dBi	2 single internal directional antennas, gain 23dBi	Built in directional antenna, gain 15dBi	
Beamwidth	Beamwidth: 5G: 48° x 15°	Beamwidth: 5G: 48° x 15°, V: Port 1: 59°, Port 2: 85°			5G: 48° x 15°	
Radio	5G	5G	5G	5G	5G	
Modem	2x2x2	2x2x2	2x2x2	2x2x2	2x2x2	
Coverage Range	5km	5 miles (8km)	15km	-	5km	
IPV Mode	PTMP/PTP (1 to 4)	-	-	-	-	
Wireless Throughput	2x40Mbps	1.2Gbps	40Mbps	80Mbps	80Mbps	
Port/Interface	1x auto-sensing 10/100/1000 Base-T Ethernet Port, S+45, PoE input, 1x auto-sensing 10/100/1000 Base-T Ethernet Port, S+45, PoE output	1 x 10/100/1000 Base-T (Proprietary PoE) 1 x 10/100/1000 Base-T	1 x 10/100/1000 Ethernet Port	1 x 10/100/1000 Mbps 2x twisted Ethernet Port (Power + Data) 1 x 10/100/1000 Mbps 2x twisted Ethernet Port (Data)	1 x 10/100/1000 Base-T Ethernet Port (LAN/UPD) 1 x 10/100/1000 Base-T Ethernet Port (LAN/D)	
LED	1 tri-color LED for device tracking and status indication 2x LED for signal strength 2x LED for network port status	LED Indicators: 1x Power 1x LAN 1x Signal	LED Indicators: 1x Power 1x Ethernet 4x Signal Strength	LED Indicators: 1x Power 1x LAN/UPD 4x Signal Strength	LED Indicators: 1 x system status LED 2 x Ethernet port LEDs 3 x signal status LEDs	
Mounting	Wall mount or pole mount, kit included	Wall mount or pole mount, kit included	Pole mount, kit included	Wall mount (kit not included), pole mount (kit included)	Wall mount or pole mount, kit included	
Weatherproof	IP66	IP55	No formal IP rating	IP65	IP54	
TX Power	26dBm	26dBm	24dBm	23dBm	26dBm	
Max Power Consumption	Max 15W with PoE input Max 20W with 12V DC/2A input	Max PoE: 15W	Max PoE: 8.5W	Max PoE: 12W	Max PoE: 9W	
Dimensions	100 x 100 x 30mm	260 x 84 x 55mm	400 x 40 x 230mm	260 x 260 x 230mm	132 x 46 x 230mm	
Operating Temperature	-30°C to 60°C	-30°C to 60°C	-40°C to 70°C	-40°C to 70°C	-30°C to 65°C	
Management	Management options via GMS Network via SSH/Telnet, GWN Manager, and GWN App	Management via EnGenius ProConnect Cloud-to-Go App, SkyPoint Network Management System, and EnGenius private cloud	UIB controller is free, however the cloud hosted option is paid	Device management through Omada Cloud Based Controller and Omada software controller	Device management and configuration through web management interface, Ruijie Cloud platform and Ruijie Cloud app	

PtP/PtMP Fixed Wireless Bridge

Product Messaging

Tagline	Point-to-Point and Point-to-Multi-Point Fixed Wireless Bridge		
Subhead	The GWN7302 provides a solution for long-distance wireless data transmission between two or more locations, allowing businesses, schools, warehouses, factories, construction sites, parks and similar environments to transmit network connections between two GWN7302s up to 5km apart.		
Target Audience	Deesigned for large, spread-out environments that need to provide network connections in remote areas of where a wired connection is not available or ideal, including businesses, schools, warehouses, factories, construction sites, parks, and more.		
Product Description	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. 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 also supported by the GWN App, which can be configured by connecting Wi-Fi broadcasted 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.		
Customer Challenges	An enterprise needs to provide a network connection across a long-distance to another building and/or share a network across multiple buildings in a simplified fashion without running cables.	A school or college campus needs to provide a network connection to buildings and locations across the campus in a simplified fashion without running wired cabling.	A park, parking lot, or similar spread-out outdoor environment needs to provide a network connection to buildings and locations across the campus in a simplified fashion without running wired cabling.
Customer Solutions	The GWN7302 allows a network connection to be shared across long distances, up to 5km, between two or more GWN7302s up to 5km apart. This makes it easy to provide network access to buildings and locations across a large, spread-out environment without needing to worry about cabling and wired networks.		

PtP/PtMP Fixed Wireless Bridge

GWN7302 Datasheets



PtP/PtMP Fixed Wireless Bridge

GWN7302

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. 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 also supported by the GWN App, which can be configured by connecting Wi-Fi broadcasted 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.



2.4Gbps aggregate wireless throughput, 2x1 Gigabit Ethernet port



Single-band 2x2:2 MIMO with TDMA technology



Up to 5-kilometer coverage range



Advanced QoS to ensure real-time performance of low-latency applications



IP66 level weatherproof



Self power adaptation upon auto detection of PoE+



Convenient and intelligent web management; GWN App management; GDMS Networking offers a remote management via SSH tunneling

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Hardware Specifications

Radio	Antenna	2 single internal antennas 5GHz x 2, gain 13.5dBi Beamwidth 5G: H30°/V30°/C
	MIMO	5GHz 2x2:2, MIMO
	Frequency Bands	5GHz Radio: 5150 - 5850 MHz <i>*Not all frequency bands can be used in all regions</i>
	Channel Bandwidth	5G: 20, 40, 80 and 160MHz (x2)
	Wi-Fi Data Rates	5G IEEE 802.11ac: 7.3 Mbps to 2402 Mbps IEEE 802.11ac: 6.5 Mbps to 1732 Mbps IEEE 802.11n: 6.5 Mbps to 300Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps <i>*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</i>
	Maximum TX Power	5G: 26dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>
	Receiver Sensitivity	5G 802.11a: -52dBm @6Mbps, -74dBm @54Mbps; 802.11n 20 MHz: -73 dBm @MCS7; 802.11n 40 MHz: -70 dBm @MCS7; 802.11ac 20 MHz: -67 dBm @MCS8; 802.11ac 40 MHz: -63 dBm @MCS9; 802.11ac 80 MHz: -59 dBm @MCS9; 802.11ax 20 MHz: -60 dBm @MCS11; 802.11ax 40 MHz: -58 dBm @MCS11; 802.11ax 80 MHz: -56 dBm @MCS11; 802.11ax 160 MHz: -52 dBm @ MCS11;
	Coverage Range	Up to 5 kilometers <i>*coverage range can vary based on environment</i>
	Point to Multipoint	1 to 4
	Interfaces	Network Ports 1x autosensing 10/100/1000 Base-T Ethernet Port, RJ-45, PoE input 1x autosensing 10/100/1000 Base-T Ethernet Port, RJ-45, PoE output LEDs 1 tri-color LED for device tracking and status indication 2x LED for signal strength 2x LED for network port status Auxiliary Ports 1x Reset and Pairing Button
Power	PoE input	802.3af/at
	DC	+24V (Compatible with 16V-48V)
	PSE output	Max 13W with PoE+ input Max 25W with +24V DC/2A input
	Maximum Power Consumption	13W
Physical	Dimension	Unit: 180 x 102 x 38 mm Entire Package: 219 x 185.5 x 66 mm
	Weight	Unit: 412g Entire Package: 753g
	Mounting	Wall mount or pole mount, kits included
	Package Content	GWN7302 PtP/PtMP Fixed Wireless Bridge, Mounting Kits, Quick Start Guide
Environmental	Temperature	Operation: -30°C to 60°C Storage: -30°C to 70°C
	Humidity	5% to 95% Non-condensing
Compliance	Weatherproof Guide	IP66-level weatherproof capability
		FCC, CE, RCM, IC

www.grandstream.com

Translations

[English](#)

[French](#)

[German](#)

[Italian](#)

[Polish](#)

[Portuguese](#)

[Russian](#)

[Spanish](#)

PtP/PtMP Fixed Wireless Bridge

Social Graphics

Use the editable template to customize your own social image by adding your logo, or create your own using the elements provided below. Photoshop files as well as PNGs are provided for each product. For paid social promotion it is recommended to use social images with limited to no text.



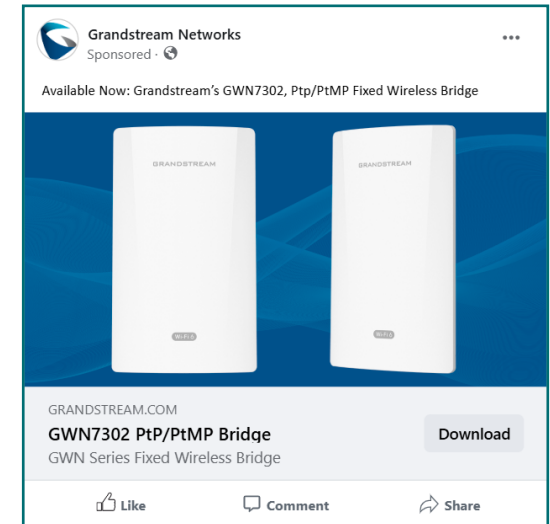
Social Image w/ Text

[GWN7302 \(PNG\)](#)
[GWN7302 \(PSD\)](#)



Social Image w/o Text

[GWN7302 \(PNG\)](#)



Suggested Social Post Copy

[GWN7302 \(Word\)](#)

PtP/PtMP Fixed Wireless Bridge

Marketing Assets - GWN7302

Product Images

[GWN7302_1](#)

[GWN7302_2](#)

[GWN7302_3](#)

[GWN7302_4](#)

[GWN7302_5](#)



GWN7302_1



GWN7302_2



GWN7302_3



GWN7302_4



GWN7302_5

Feature Icons

[Gigabit](#)

[2x2 MIMO](#)

[5-Kilometer](#)

[QoS](#)

[Weatherproof](#)

[PoE+](#)

[Embedded Controller](#)



Gigabit



2x2 MIMO



5-Kilometer



QoS



Weatherproof



PoE+



Embedded Controller