

## Grandstream GWN7302 PtP/PtMP Fixed Wireless Bridge (GWN7302)



Product Name: Grandstream GWN7302 PtP/PtMP Fixed Wireless Bridge (GWN7302)

Manufacturer: Grandstream

Model Number: GWN7302

### Grandstream GWN7302 PtP/PtMP Fixed Wireless Bridge (GWN7302)

The Grandstream GWN7302 is an 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 5GHz 2x2:2 MIMO and a sophisticated antenna design with TDMA technology to improve spectrum utilisation efficiency, reduce interference, and enhance network stability. Supporting both PtP and PtMP modes, the GWN7302 is suited to a wide range of deployment scenarios including factories, construction sites, parking lots, and scenic locations. The GWN7302 offers an outdoor coverage range of up to 5 kilometres and carries an IP66-level weatherproof rating for use in harsh environments. One-key pairing quickly synchronises and connects devices, and signal strength LEDs guide antenna alignment to simplify installation. It features 2 x 1 Gigabit Ethernet ports supporting PoE IN and PoE OUT respectively, and self power adaptation upon auto-detection of PoE+. For management, the GWN7302 supports a controller-less distributed design with a built-in web UI, the GWN App for mobile configuration, and GDMS cloud platform for remote management via SSH tunnelling. Grandstream GWN7302 Technical Specifications:

#### Radio

• Antenna: 2 x single internal antennas, 5GHz x2, gain 13.5 dBi

• Beamwidth: H: 30°; V: 30°

• MIMO: 5GHz 2x2:2

• Frequency bands: 5GHz, 5150–5850 MHz (not all frequency bands available in all regions)

• Channel bandwidth: 5G – 20, 40, 80 and 160MHz (x2)

• Wi-Fi data rates (5G): IEEE 802.11ax 7.3–2402 Mbps; 802.11ac 6.5–1732 Mbps; 802.11n 6.5–300 Mbps; 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps

• Maximum TX power (5G): 26 dBm (maximum power varies by country, frequency band and MCS rate)

• Coverage range: up to 5 kilometres (varies based on environment)

• Point to multipoint: 1 to 4

#### Interfaces

• Network port 1: 1 x autosensing 10/100/1000 Base-T Ethernet (RJ-45), PoE input

• Network port 2: 1 x autosensing 10/100/1000 Base-T Ethernet (RJ-45), PoE output

• LEDs: 1 x tri-colour for device tracking/status, 3 x signal strength, 2 x network port status

• Auxiliary: 1 x Reset and Pairing Button

#### Power

• PoE input: 802.3af/at

• DC input: +24V (compatible with 16V–48V)

• PSE output: max 13W with PoE+ input; max 25W with +24V DC/2A input

• Maximum power consumption: 13W

#### WLAN

• IEEE 802.11 a/n/ac/ax

• Single 5G SSID (disabled by default)

• Auto channel support

## Grandstream GWN7302 PtP/PtMP Fixed Wireless Bridge (GWN7302)

- Transmit power selection
- Management Wi-Fi support
- TDMA support
- Pairing: one-key pairing, web pairing

### Network and Security

- Network: Static or DHCP IPv4, VLAN support
- Security: WPA2-PSK, WPA3-PSK
- QoS: 802.11e/WMM, 802.1p, 802.1q, ToS

### Management

- Local Web UI, GDMS Networking via SSH tunnelling, GWN Manager, GWN App
- Management protocols: TR-069, SNMP
- System tools: Link Test, Antenna Alignment, Spectrum Analyser

### Physical

- Mounting: wall mount or pole mount (kits included)
- Weatherproof: IP66
- Operating temperature: -30°C to 60°C
- Storage temperature: -30°C to 70°C
- Humidity: 5% to 95% non-condensing
- Dimensions (unit): 180 x 102 x 38mm
- Weight (unit): 412g
- Compliance: FCC, CE, RCM, IC

### Package Contents

- 1 x Grandstream GWN7302 PtP/PtMP Fixed Wireless Bridge
- 1 x Mounting Kit
- 1 x Quick Start Guide

**Price: Â£62.50**