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GRANDSTREAM
GWN7664E
High Performance
Wi-Fi 6 Access Point

GRANDSTREAM GWN7664E High Performance Wi-Fi 6 Access Point Installation Guide

Contents

GRANDSTREAM
CONNECTING THE WORLD

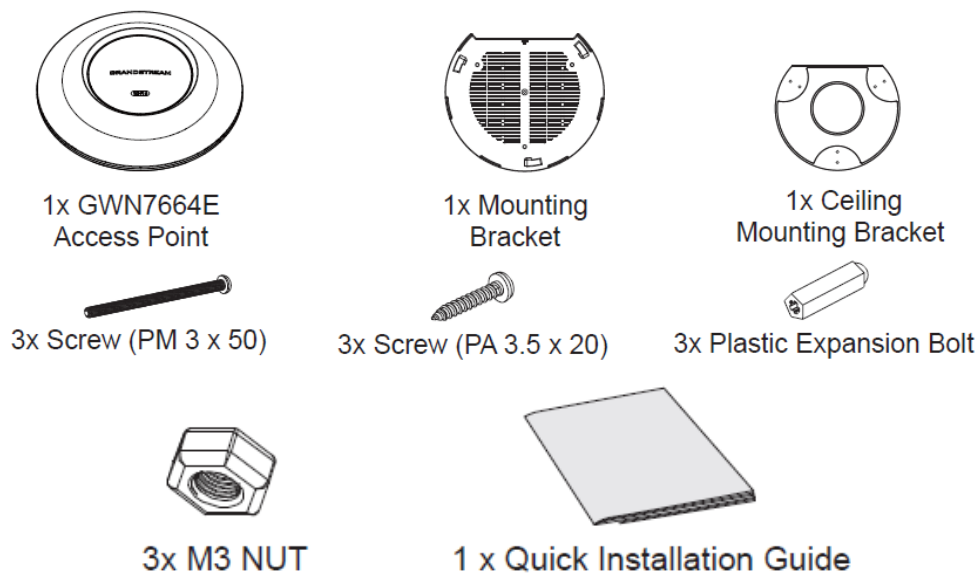**GRANDSTREAM GWN7664E High Performance Wi-Fi 6 Access Point**

OVERVIEW

The GWN7664E is a powerful, enterprise-grade 802.11ax Wi-Fi 6 access MIMO with DL/UL OFDMA technology and a sophisticated internal antenna design for stronger anti-interference, more stable connection, delivering up to 6 Gbps wireless throughput and expanded Wi-Fi coverage range. The GWN7664E is supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform that and makes manag-ing your network or several networks across multiple locations easier than ever before. It also uses a controller-less network management architecture in which the controller is embedded within the product's web user interface for easy administration of locally deployed Wi-Fi APs. The GWN7664E is connection with Grandstream's Wi-Fi capable IP phones. With support for advanced QoS, low- latency real-time applications, mesh networks, captive portals, 1000+ concurrent clients and dual 2.5 Gigabit network ports with PoE/PoE+, the GWN7664E is an ideal Wi-Fi access point for business-grade wire-less network deployments with medium-to-high user density.
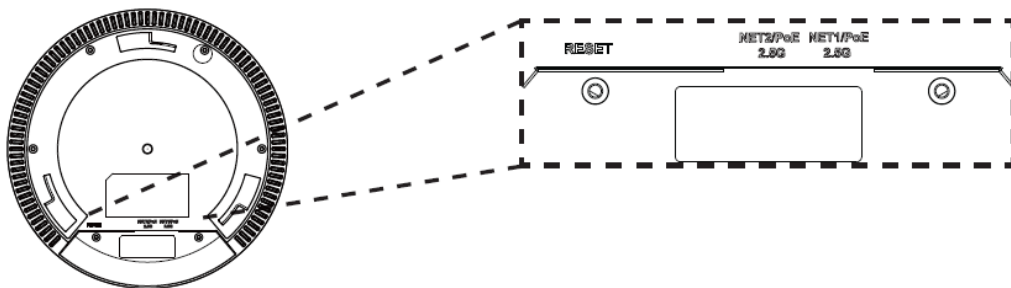
PRECAUTIONS

- Do not attempt to open, disassemble, or modify the device.
- Do not expose this device to temperatures outside range of 0 °C to 50 °C for operation and -10 °C to 60 °C for storage.
- Do not expose the GWN7664E to environments outside of the following humidity range: 10-95% RH (non-condensing).
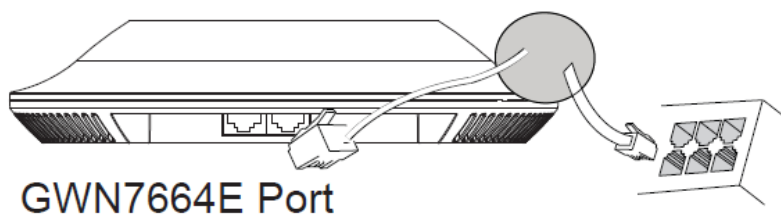
PACKAGE CONTENTS

1x GWN7664E
Access Point

1x Mounting
Bracket

1x Ceiling
Mounting Bracket

3x Screw (PM 3 x 50)

3x Screw (PA 3.5 x 20)

3x Plastic Expansion Bolt

3x M3 NUT

1 x Quick Installation Guide

GWN7664E PORTS

Port	Description
NET/POE 2.5G	2x 2.5 Gbps Ethernet RJ45 port with PoE/PoE+ support.
RESET	Factory reset button. Press and hold for 7 seconds to reset the unit to factory settings.

POWERING AND CONNECTING THE GWN7664E

GWN7664E can be powered on using PoE/PoE+ switch using following steps:

Step 1: Plug an RJ45 Ethernet cable to the port on the GWN7664E.
Step 2: Plug the other end into the uplink port of the power over Ethernet (PoE/PoE+) switch.
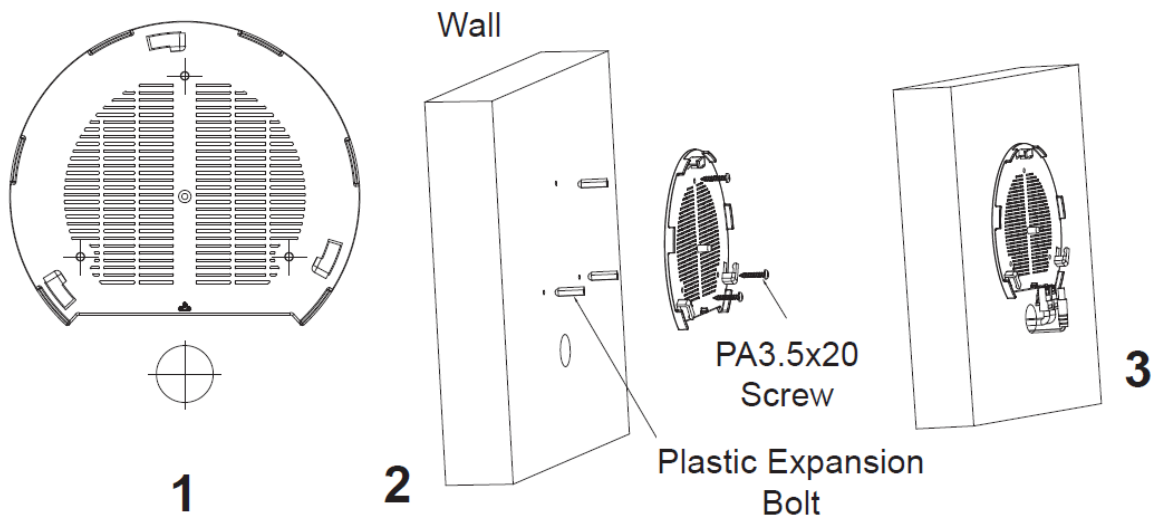

GWN7664E Port

RJ45 Ethernet Cable
to power over Ethernet
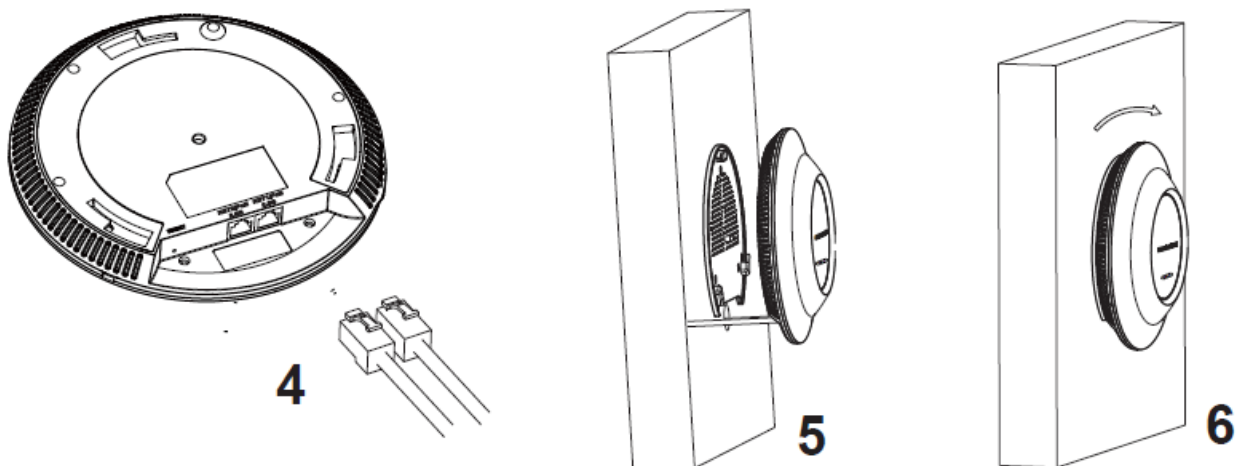(PoE/PoE+) Switch

HARDWARE INSTALLATION

GWN7664E can be mounted on the wall or ceiling, Please refer to the following steps for the appropriate installation.

Wall Mount

1. Position the mounting bracket at the desired location on the wall with the arrow pointing up.
2. Use a pencil to mark the four mounting holes (screw holes DIA 5.5mm, reticle hole DIA 25mm).
3. If your Ethernet cable feeds through the wall, then cut or drill a circle approximately 18mm in diameter.
4. Insert screw anchors into the 5.5mm holes. Attach the mounting bracket to the wall by inserting the screws into the anchors.
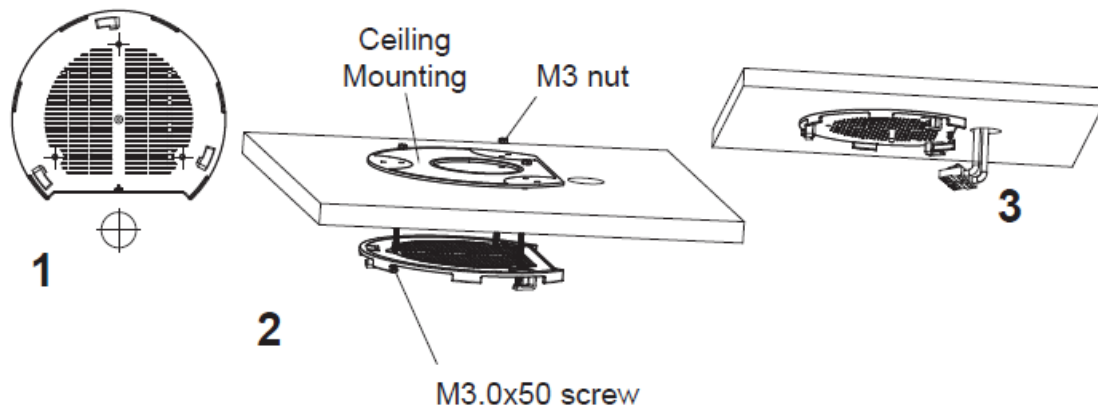

5. Connect the ethernet cable (RJ45) to the correct ports of your GWN7664E.
6. Align the arrow on the GWN7664E AP with the arrow on the locking tab of the mounting bracket and ensure that your GWN is firmly seated on the mounting bracket.
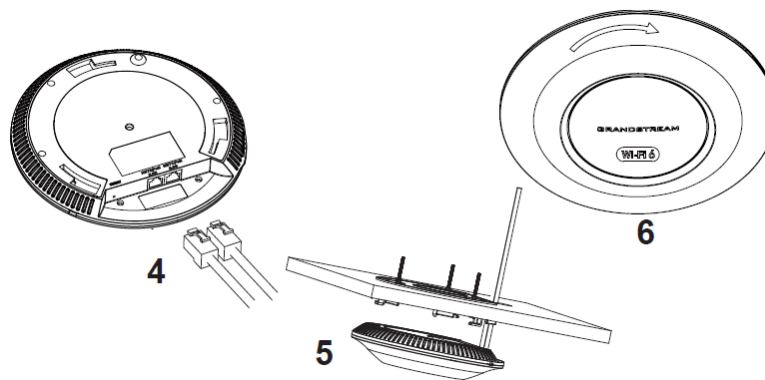7. Turn the GWN clockwise until it locks into place and fits the locking tab.

Ceiling Mount
Note: Ceiling mounting is recommended for optimal coverage performance.

1. Remove the ceiling tile.
2. Place the ceiling backing plate in the center of the ceiling tile and mark the mounting screw holes (screw holes DIA 5.5mm, reticle hole DIA 25mm).
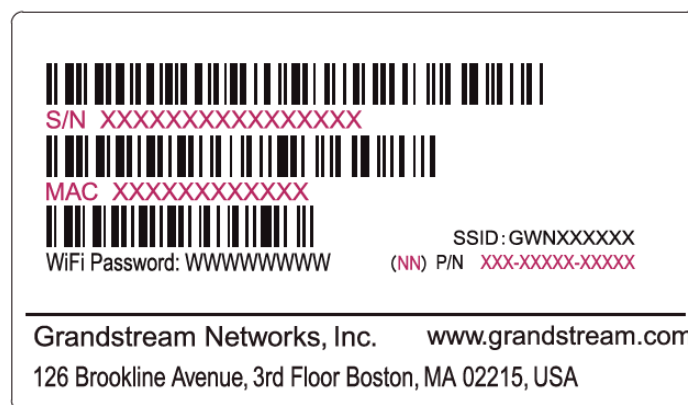3. Insert the screws through the mounting bracket.

Ceiling Mounting   M3 nut

M3.0x50 screw

4. Connect th Ethernet cable (RJ45) to the correct ports of your GWN7664E.

5. Align the arrow on the GWN7664E with the arrow on the locking tab of mounting bracket and connect the network and power cables.

6. Turn the GWN cloclwise until it locks into place and fits the locking tab.

CONNECT TO GWN7664E DEFAULT Wi-Fi NETWORK
GWN7664E can be used as stand alone access point out of box, or after factory reset with Wi-Fi enabled by default. After powering the GWN7664E and connecting it to the network, GWN7664E will broadcast a default SSID based on its MAC address GWN[MAC's last 6 digits] and a random password.
Note: GWN7664E's default SSID and password information are printed on the MAC tag of the unit.

S/N XXXXXXXXXXXXXXXX
MAC XXXXXXXXXXXX
WiFi Password: WWWWWWWW   SSID : GWNXXXXXX
                         (NN) P/N XXX-XXXXX-XXXXX

Grandstream Networks, Inc.   www.grandstream.com
126 Brookline Avenue, 3rd Floor Boston, MA 02215, USA

ACCESSING THE CONFIGURATION INTERFACE
A computer connected to the GWN7664E's SSID, or to the same network as the GWN7664E can discover and accessits configuration interface using one of the below methods:

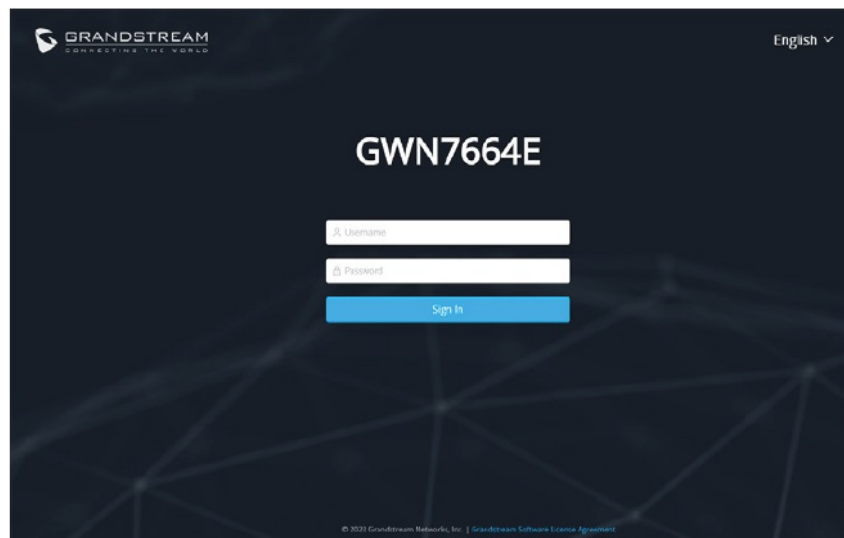**Method 1: Discover GWN7664E using its MAC Address**

1. Locate the MAC address on the MAC tag of the unit, which is on the under-side of the device, or on the package.

2. From a computer connected to same network as the GWN7664E, type in following address using GWN7664E's MAC address on your browser: **https://gwn_<mac>.local**
   Example: If a GWN7664E has the MAC address C0:74:AD:8B:4E:28, this unit

Method 2: Discover GWN7664E using GWN Discovery Tool

1. Download and install GWN Discovery Tool from the following link:
   http://www.grandstream.com/tools/GWNDiscoveryTool.zip
2. Open the GWN DiscoveryTool, and click on Scan.
3. The tool will discover all GWN76XX Access Points connected on the network showing their MAC and IP addresses.
4. Click on Manage Device to be redirected directly to the GWN7664E's configuration interface, or type in manually the displayed IP address on your browser.
5. Enter username and password to login. (The default administrator user-name is "admin" and the default random password can be found at the sticker on the GWN7664E).

Notes:

- Make sure that the GWN7664E is not already paired with another GWN76xx Access Point as slave, GWN Router, GWN Cloud, or GWN Manager, otherwise the configuration interface cannot be accessed.
- If the GWN7664E is already paired, make sure factory reset.
- It is customer's responsibility to ensure compliance with local regulations for frequency bands, transmit power and others.
- To obtain a CD with GPL source code information please submit a written request to **info@ grandstream.com**

Refer to online documents and FAQ for more detailed information: **http://www.grandstream.com/our-products**

Documents / **Resources**

| | **GRANDSTREAM GWN7664E High Performance Wi-Fi 6 Access Point** [pdf] Installation Guide
GWN7664E, GWN7664E High Performance Wi-Fi 6 Access Point, High Performance Wi-Fi 6 Access Point, Wi-Fi 6 Access Point, Point |

References

- **User Manual**