



## **Contents** [ [hide](#) ]

- [1 DZS 2428TE Wi-Fi 6 Ethernet Wireless Controller](#)
- [2 Introduction](#)
- [3 Specification](#)
- [4 Installation](#)
- [5 Web Access](#)
- [6 FCC Statement](#)
- [7 Frequently Asked Questions](#)
- [8 Documents / Resources](#)
  - [8.1 References](#)



## **DZS 2428TE Wi-Fi 6 Ethernet Wireless Controller**



## Caution

Please follow the instructions below to avoid physical injury: You should not install the unit during a storm. Likewise, you should not connect or disconnect any line to avoid the risk of electric shock.

## Caution & Warning

- This unit is indoor use and all the communication wiring are limited to inside of the building.
- DO NOT plug in, turn on or attempt to operate an obviously damaged unit.
- DO NOT use near water.
- DO NOT place near high high-temperature source.
- DO NOT disassemble the unit.
- DO NOT operate the unit in a location where the maximum ambient temperature exceeds 40°C.
- Open optical connections must use a protective cap under all circumstances to protect against physical damage and dirt.
- Before making connections, use isopropyl alcohol and non-fibrous cellulose to clean the faces of the connectors.
- Avoid impact stresses when handling connectors. Physical damage to the faces of

optical connections impairs transmission quality (higher attenuation).

- Avoid a bend radius in excess of 30 mm for fiber optic links.
- Check the available voltage supply.
- Only use the unit in dry rooms.
- Set up the unit away from direct sunlight or other electrical equipment.
- Only connect approved accessories.
- It may only be repaired by authorized service personnel.
- This equipment is not suitable for use in locations where children are likely to be present.

## Limited Warranty

- Not covered under this warranty is defect and damage resulting from product disassembly by yourself. And also, such behavior may amount to intellectual property infringing

## Introduction

### Package Contents

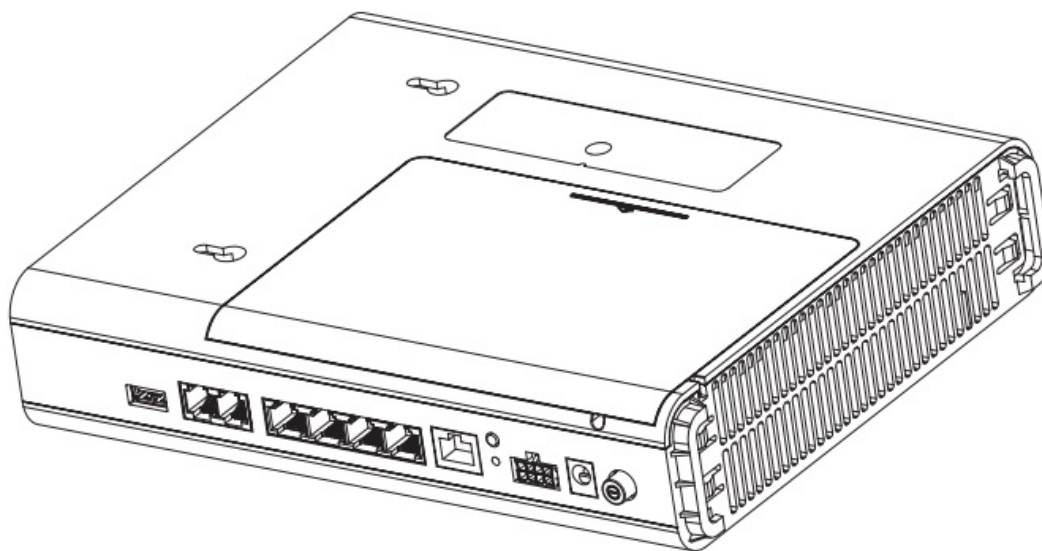
- 2428TE
- QIG (Quick Installation Guide)

## Specification

Item	Specification
Service Interface	4 10/100/1000Base-T ports (RJ45) 1 2.5GBase-T port (RJ45)
Wi-Fi	Wi-Fi6 Internal antenna
VoIP Interface	2 FXS ports (RJ11)
Power Adapter	Output: 12VDC/2.5A
Operating Temp.	0 to 40°C (32 to 104°F)
Operating Humidity	5 to 95% (non-condensing)
Dimensions	182 x 263 x 75 mm (W x H x D)

Information furnished by DZS is believed to be accurate and reliable. However, no responsibility is assumed by DZS for its use, nor for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of DZS. DZS reserves the rights to change specifications at any time without notice.

## Interface



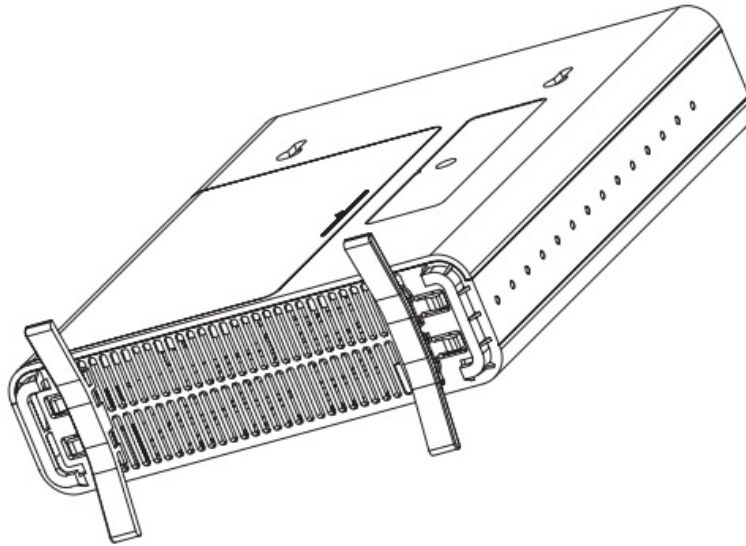
Item	Description
① LEDs	Operating status LEDs.
② USB	Connect an external 3.0 USB drive.
③ TEL 1-2	Connect to VoIP phone.
④ GE 1-4	Connect to PC or LAN. (10/100/1000Base-T interfaces)
⑤ 2.5GE	Connect to PC or LAN.
⑥ WPS button	Press to initiate WPS connection process
⑦ Reset button	Reboot the unit or reset to factory defaults Press and hold for 10 seconds to reset factory defaults.
⑧ UPS	Power connector and UPS backup power
⑨ Power port	Connect an external power supply.
⑩ On/Off button	Turn on/off the unit

## LED

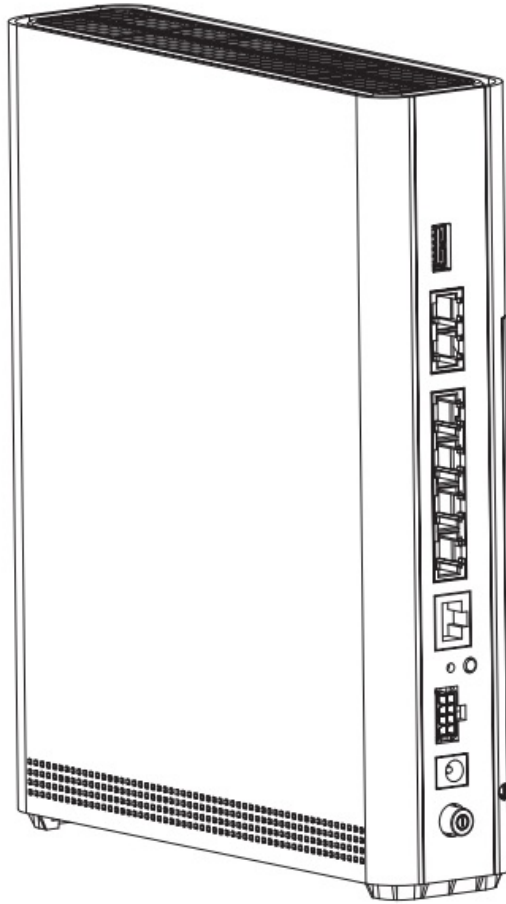
	Label	Light	Status	Definition
5.8 G	5.8G	Green	ON	5GHz Wi-Fi service is enabled on ONT.
			Slow Blink (1/sec)	5GHz Wi-Fi data passing between ONT and connected devices.
2.4 G	2.4G	Green	OFF	5GHz Wi-Fi service is disabled on ONT.
			ON	2.4GHz Wi-Fi service is enabled on ONT.
USB	USB	Green	Slow Blink (1/sec)	2.4GHz Wi-Fi data passing between ONT and connected devices.
			OFF	2.4GHz Wi-Fi service is disabled on ONT.
VOICE	VOICE	Green	ON	USB is connected.
			OFF	USB is not connected.
GE1	VOICE	Green	ON	Registered successfully
			Slow Blink (1/sec)	Off hook
GE2	VOICE	Green	OFF	Registration failed or telephone service is not provisioned.
			ON	Ethernet interface linked
GE3	GE1-4 2.5GE	Green	Flash	Data transmitting
			OFF	Ethernet interface not linked
GE4	INTERNET	Green	ON	Internet service is available.
			OFF	Internet service is unavailable. (no response from DNS server)
2.5GE	WAN	Green	ON	Ranged successfully
			Flash	Ranging in progress
INTERNET	WAN	Green	OFF	Not ready for ranging or not provisioned
			OFF	No major alarms
WAN	ALARM	Red	ON	Major Alarm (including operating in battery power)
			Slow Blink (2/sec)	SW or Config update in progress
ALARM	BATT	Yellow	OFF	Normal operation on AC source
			ON	Operating on Battery Power
BATT	BATT	Yellow	Slow Blink (2/sec)	Battery Alarm (Low Battery, Missing or Replace)
			ON	Normal Operation
STATUS	STATUS	Blue	Rapid Blink (10/sec)	Unit has been reset to factory defaults /is unconfigured.
			Slow Blink	Boot-up / Initialization / provisioning in progress
			OFF	Power off

## Installation

1. Attach the 2428TE to the desktop stand in the direction of the marked arrow.
2. Connect the telco cable from POTS port to home phone lines.
3. Connect the Ethernet cable from GE port to PC.
4. Connect the power cable from power port to an electrical outlet.
5. (OPTIONAL) Connect the Battery Backup Unit power and telemetry to the UPS port



Pin	Signal	Comments
1	+VDC	Power in from UPS
2	-VDC	Power return to UPS
3	On Battery	Open signal when on battery power
4	Signal Return	Connected to Signal GND on ONT
5	Missing Battery	Open signal when battery not detected
6	Replace Battery	Open signal when battery should be replaced
7	GND	Connected to Signal GND on ONT
8	Low Battery	Open signal when battery is low



## Web Access

You can access the unit through a web browser by using the following steps:

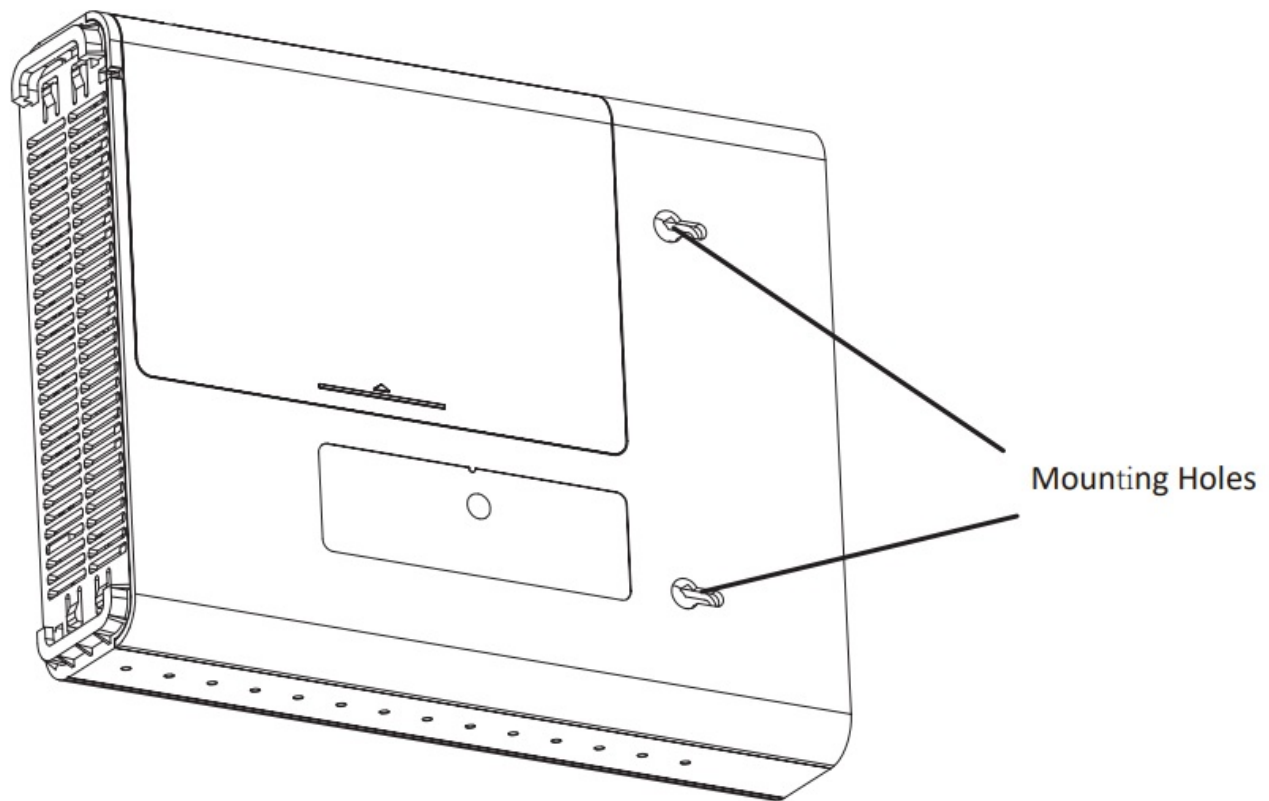
1. Connect an Ethernet cable from your computer to GE1 on the 2428TE.
2. Launch a browser or telnet session and point it to 192.168.1.1.
3. Enter the username and password.

The default username/password is admin/dzsi.

For security the password should be changed

## Mounting on a Wall

If necessary, you may have your ONT mounted on a wall using mounting holes



## **FCC Statement**

### **FCC Regulations:**

This mobile router complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This mobile router has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **FCC Note**

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **RF Exposure Information**

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm during normal operation.

## **ISED Notice**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

## **CAN ICES-003 (B)/NMB-003(B)**

This Class B digital apparatus complies with Canadian ICES-003.


# ISED RF Exposure Statement

This device complies with ISED RSS-102 RF exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the IC RSS-102 RF exposure limits, human proximity to the antenna shall not be less than 20 cm during normal operation.

## Frequently Asked Questions

- **Q: Can I use this product outdoors?**
  - A: No, this product is designed for indoor use only.
- **Q: How do I reset the unit to factory defaults?**
  - A: Press and hold the Reset button for 10 seconds to reset the unit to factory defaults.
- **Q: What should I do if the unit is damaged?**
  - A: Do not attempt to operate a damaged unit. Contact authorized service personnel for repairs.

# Documents / Resources

	<a href="#">DZS 2428TE Wi-Fi 6 Ethernet Wireless Controller [pdf]</a> Installation Guide 2428TE, 2428TE Wi-Fi 6 Ethernet Wireless Controller, Wi-Fi 6 Ethernet Wi reless Controller, 6 Ethernet Wireless Controller, Wireless Controller
---	--

## References

- [User Manual](#)

■ DZS

◆ 2428TE, 2428TE Wi-Fi 6 Ethernet Wireless Controller, 6 Ethernet Wireless Controller, DZS, Wi-Fi 6 Ethernet Wireless Controller, Wireless Controller

—Previous Post

[DZS 2428GN Optical Network Terminal Installation Guide](#)

Next Post—

[DZS 5228XG Compliant Optical Network Terminal Installation Guide](#)

—

# Leave a comment

Your email address will not be published. Required fields are marked \*

Comment \*

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

**Post Comment**

**Search:**

e.g. whirlpool wrf535swhz

**Search**

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.