

OPTIONAL PART

Wireless LAN adapter

DESIGN & TECHNICAL MANUAL

WIRELESS LAN
ADAPTER



UTY-TFSXZ1
UTY-TFSXZ4

FUJITSU GENERAL LIMITED

DR_OP003EX_02
2017.06.30

Notices:

- Product specifications and design are subject to change without notice for future improvement.
- For further details, please check with our authorized dealer.

Trademarks

The following term and logo are trademarks of Fujitsu General Limited in the United States, other countries or both:

FGLair™



Android™ and Google Play™ are trademarks of Google Inc.

App Store® is a service mark of Apple Inc., registered in the U.S. and other countries.

IOS® is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

CONTENTS

WIRELESS LAN ADAPTER.....	1
----------------------------------	----------

1. Model lineup	2
1-1. Applicable indoor units	2
2. Overview	3
2-1. Wireless LAN control	4
3. Specifications	6
3-1. Wireless LAN adapter	6
4. Wiring design	7
4-1. System diagram	7
5. Installation	9
5-1. Precautions	9
5-2. Installation procedure	10
6. Initial setup	11
6-1. Mobile app installation and user registration	11
6-2. Air conditioner registration	11
7. Accessories	12

WIRELESS LAN ADAPTER

MODEL NAME:

UTY-TFSXZ1

UTY-TFSXZ4

1. Model lineup



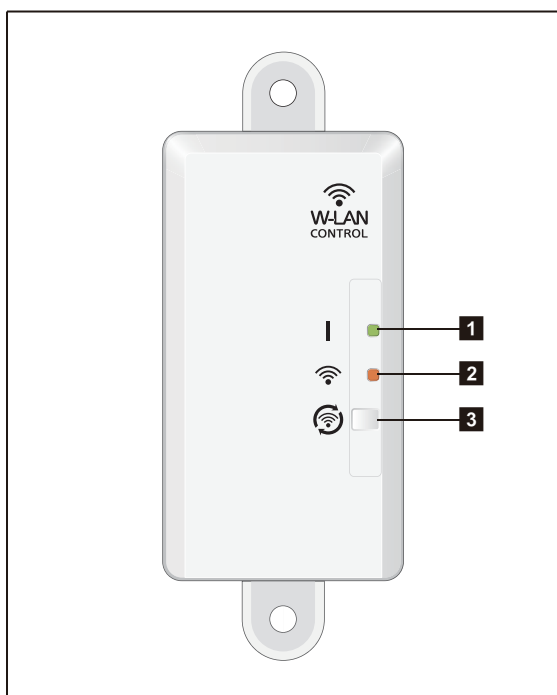
Model name	Region or country
UTY-TFSXZ1	Europe
UTY-TFSXZ4	China

1-1. Applicable indoor units

For applicable indoor units, refer to the product catalogue posted on “Support & Downloads” page of the web site.

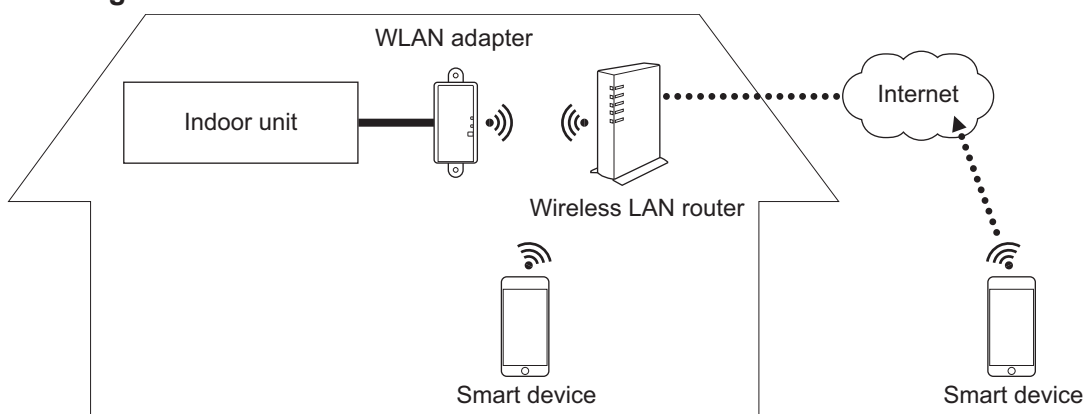
<http://www.fujitsu-general.com/global/support/>

2. Overview



- 1 LED 1 (green)**
Operation status indicator.
- 2 LED 2 (orange)**
Wireless LAN status indicator.
- 3 Setting button**
Used for connecting to wireless router.

Schematic diagram:



2-1. Wireless LAN control

By installing FGLair on a smart device, several functions can be controlled from outside the house.

CAUTION

To prevent personal injury, property damage, or product malfunction, read the setting manual attached with the product carefully, and be sure to comply with the safety and usage precautions.

■ Easy setup by mobile application

Initial setup can be done by using FGLair.

Refer to the setting manual attached with the product for information on the initial setup, operating tips, and troubleshooting.

■ System requirement

Before using this product, prepare the following items:

- **Wireless router:**

This product uses a wireless router that supports IEEE802.11b/g/n wireless LAN standard. Set the connection to the wireless router with WPS to perform communications by wireless LAN.

Refer to the operation manual of the wireless router you wish to use, if it supports IEEE802.11b/g/n or WPS.

- **Smartphone or Tablet PC:**

App-compliant operating system	iOS®	8.0 or later
	Android™	4.1 or later

- **FGLair (mobile application):**

FGLair is available on Google Play™ store or on App Store®.

After installation of FGLair, user registration is required. For user registration and setup information, refer to the setting manual attached with the product.



For information on Wireless LAN control, refer to the following web site:

<http://www.fujitsu-general.com/global/support/>

■ Wireless LAN function list

NOTE: To use Wireless LAN control, user registration in advance and access to the wireless home network are required.

Item		VRF systems	Split systems
Air conditioning control function	Operation on/off	○	○
	Operation mode setting	○	○
	Set temperature setting	○	○
	Fan speed setting	○	○
	Airflow direction setting*	Louver position adjustment (vertical/horizontal)	○
		Swing (vertical/horizontal)	○
	Timer setting	Weekly timer	○
Additional function	ECONOMY operation setting		○
App function	Air conditioner error e-mail notification		○

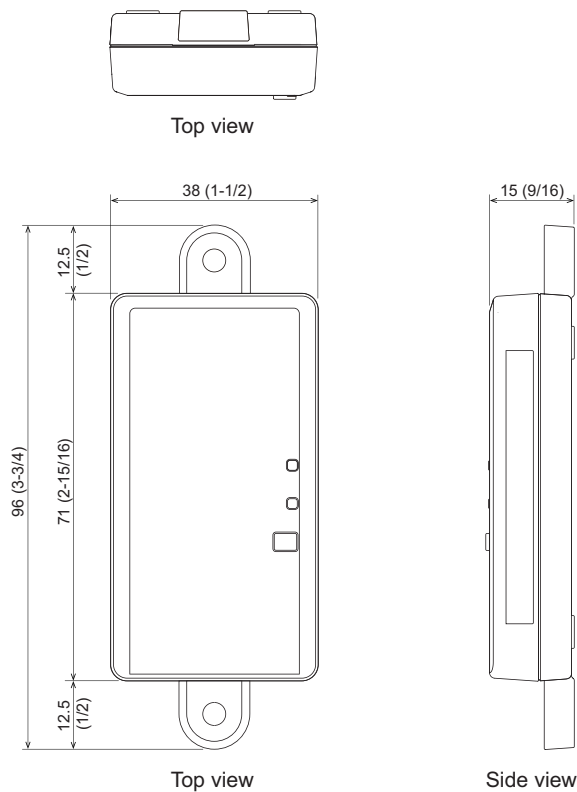
○: Available, —: Not available

*: Different by the indoor unit function.

3. Specifications

3-1. Wireless LAN adapter

Unit: mm (in)



Dimensions (H × W × D)	Net	mm	71 × 38 × 15
		in	2-15/16 × 1-1/2 × 9/16
	Gross	mm	50 × 207 × 138.5
		in	1-15/16 × 8-1/8 × 5-7/16
Weight	Net	g (oz)	35 (1) (without cable)
	Gross		380 (13)
Operating temperature range		°C (°F)	0 to 46 (32 to 114.8)

■ Wireless specifications

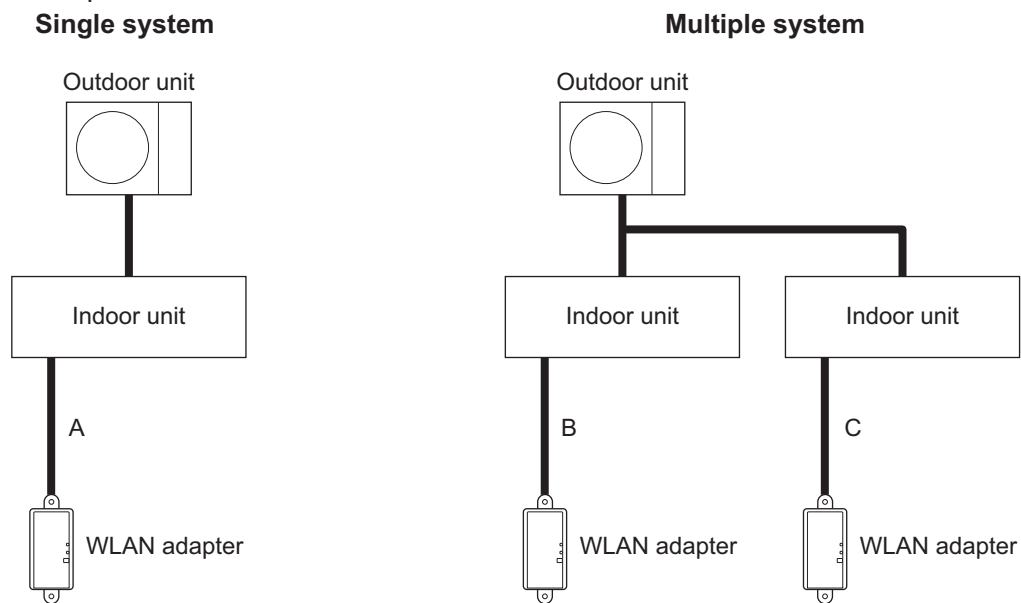
Communication method between wireless LAN router and WLAN adapter is as follows:

Wireless LAN standard	IEEE802.11b/g/n
Frequency bands	2.4 GHz (1ch—13ch)
Maximum radio-frequency power	80 mW

4. Wiring design

4-1. System diagram

One WLAN adapter can be connected to each indoor unit.

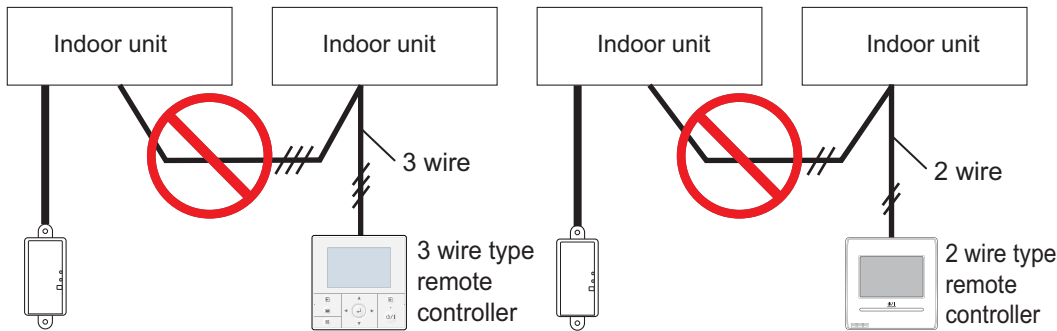


A, B, and C: Attached cable with this product.

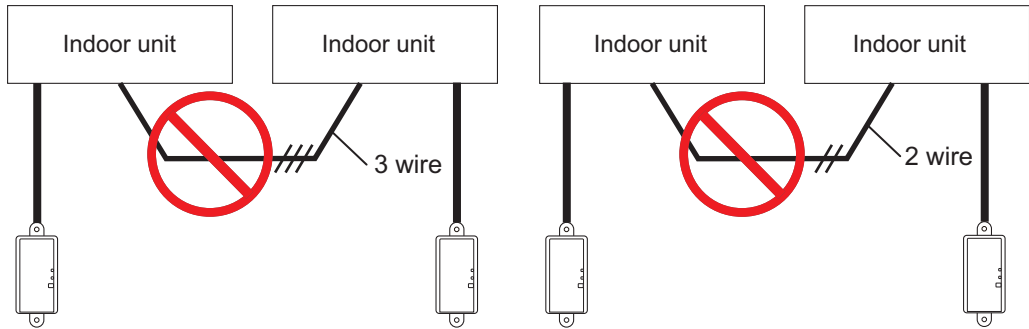
NOTE: Combined use with wired remote controller is prohibited.

Prohibited uses:

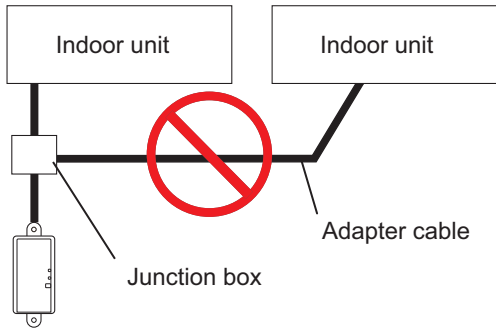
(1) Group connection of indoor units with wired remote controller



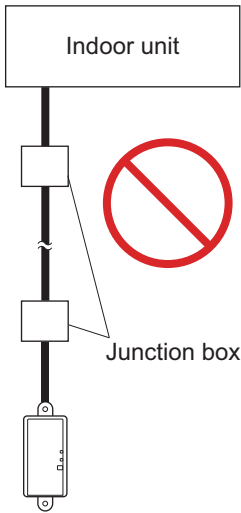
(2) Group connection of indoor units



(3) Group connection of indoor units with WLAN adapter cable.



(4) Extended wiring
Extending the cable is prohibited.



5. Installation

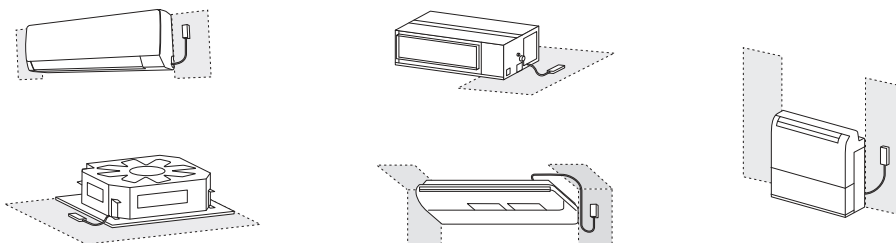
⚠ CAUTION

To prevent personal injury, property damage, or product malfunction, read the setting manual attached with the product carefully, and be sure to comply with the safety precautions.

5-1. Precautions

⚠ CAUTION

- Do not bundle the WLAN adapter wiring with the connection cable running between the indoor and outdoor units, or the power supply cable.
- Install the WLAN adapter near the wireless router. (The connection will become unstable if it is placed further away, which will make using the system more difficult.)
- Install the WLAN adapter between the indoor unit and wireless router.
- Certain types of wall materials may shut out wireless communications.
- Do not touch the indoor unit heat exchanger.
- During installation or removal, do not have the wire caught by any parts nor pull it hard. It may result in malfunction of the air conditioner.
- Do not install this product in following places. Otherwise, radio communication may be interfered.
 - Places exposed to direct sunlight
 - Places subject to extremely high and low temperatures, such as near the outlet port of the air conditioner main body
 - Near the air conditioner air inlet or outlet
 - Places with high humidity
 - Places near moving parts of the air conditioner main body
 - Places near bottom of the air conditioner main body
 - Inside or on the side of the air conditioner main body
 - Near microwave ovens
 - Within 1 m (40 in) of a TV or radio
 - Places in the reach of children
 - Near automatic control devices such as automatic door sensors or fire detectors
 - Places with oil, vapor or flammable gases
 - Near medical equipment, pacemakers, defibrillators or other devices
 - Places where the WLAN adapter could get wet, such as in the bathroom
 - Places where the WLAN adapter is difficult to access for maintenance
- Install this product in a place where the switches and buttons can be operated and where the LED display can be confirmed. (In the areas as shown below.)



5-2. Installation procedure

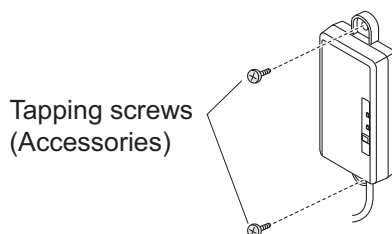
⚠ WARNING

- Disconnect the power supply or turn off the breaker before starting work. Failure to disconnect the power supply may lead to electric shock or fire.
- Do not turn on the power until all installation work is complete.
- Use the accessories or specified connection cables:
 - Do not modify connection cables other than those specified.
 - Do not use extension cords.
 - Do not use independent branch wiring. The allowable current will be exceeded and cause electric shock or fire.
- When installing this product, make sure that there are no children nearby. Otherwise, injury or electric shock could result.

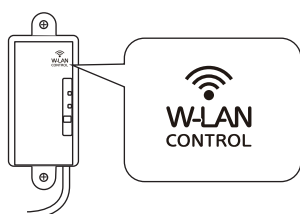
⚠ CAUTION

- Discharge static electricity on your body before starting work. If static electricity is not discharged, there is a risk that the circuit board components may be damaged.
- When performing wiring work, be careful not to damage the cable or injure yourself. Also, connect the connectors securely. Loose connectors will cause trouble, heating, fire, or electric shock.
- Perform wiring so that water does not enter this unit along the external wiring. Always install a trap to the wiring or take other countermeasures. Otherwise, it will cause trouble or electric shock or fire.
- Do not touch the circuit board and circuit board parts directly with your hands. Otherwise, injury or electric shock could result.

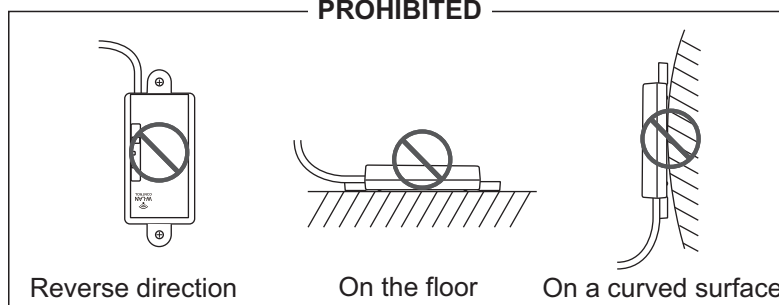
1. With referring the setting manual, perform wire connection.
2. Install the WLAN adapter in the direction as shown in this figure. If the WLAN adapter is installed in the wrong direction, water may get into the adapter through the wire, causing failure.



GOOD



PROHIBITED



After WLAN adapter installation is completed, perform appropriate function setting according to the installation environment with referring the setting manual of this product and the installation manual of the indoor unit.

6. Initial setup

By using FGLair, perform initial setup for WLAN control.

NOTE: Make sure that the smart device is connected to the same wireless router that the WLAN adapter is connected.

6-1. Mobile app installation and user registration

1. Visit Google Play store or App Store according to the type of connecting smart device.
2. Search for FGLair in the store.
3. Install the app by following the on-screen instructions.
4. After completing FGLair installation on your smart device, open the app and perform user registration by following the instructions.






6-2. Air conditioner registration

Prerequisite:

Make sure that the smart device is connected to the same wireless router that the WLAN adapter is connected.

1. Launch FGLair on your smart device.
2. Follow the instructions written in the setting manual attached with this product.

7. Accessories

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Setting manual		1	Tapping screw M4 × 25 mm		2
Operating manual (CD-ROM)*		1	Wireless LAN label		1
EMI core		1			

*: Available only for UTY-TFSXZ1.