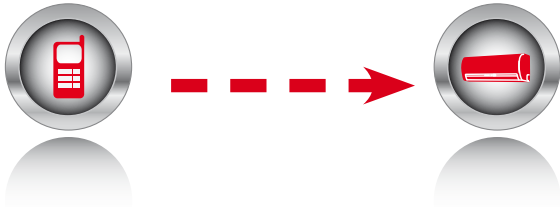


How many Indoor Units can be connected?

The GSM Modem Interface can be used to control a single Indoor Unit or a group of up to 8 Indoor units when connected to the master Indoor Unit of that group (if available, depends on Indoor Unit model).

Up to 8



Which Indoor Unit Models can be connected?

• Residential Equipment

The HA connection is available.

HA connection availability depends on Indoor Unit model, see service manual for availability.

• SDI & DI

The CN61 connection is available on all Indoor units, excluding the RAV-SM***XT-E and RAV-SM***0KRT-E models which have the HA configuration available.

• VRF

The CN61 connection is available on all Indoor Unit models.

Can others Hijack my system?

The security of the GSM modem Interface is assured as only programmed phone numbers can be used to send or receive information from the system.

Additional security is also offered with the optional use of the SIM card PIN number feature.

Specification

Electric power supply	In case of CN61 Connection – Power supplied from indoor unit. In case of HA connection, 7-19VDC External AC Adaptor is required.
Max input current	60 mA
Temperature/Humidity	0 – 4°C / 10 – 90% RH
Dimensions	32 (H) × 80 (W) × 125 (D) mm
Mass	150g

Note: The GSM Modem Interface also supports the use of PUK Codes.

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GSM Modem Interface Application Control Board



TCB-IFGSM1E



GSM Modem Interface Application Control Board



What is GSM?

GSM means "Global System for Mobile communications" and is the most popular standard for Mobile phone communications in the world.

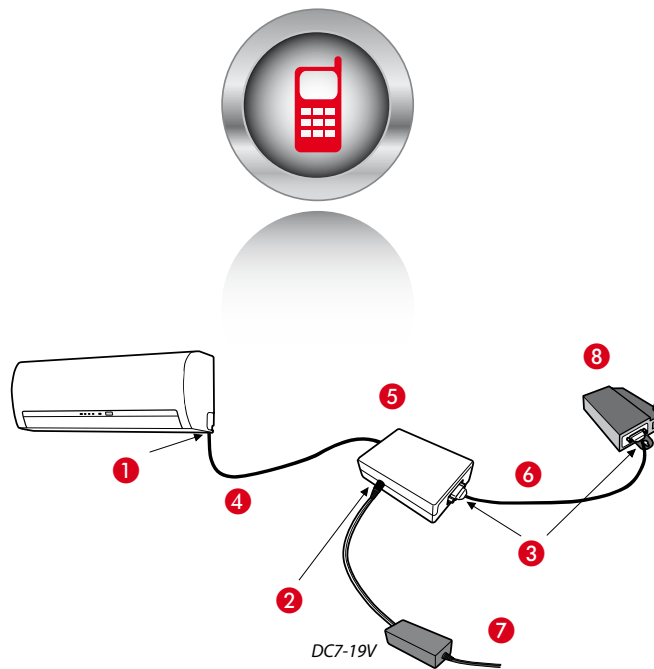
What is SMS?

SMS stands for "Short Message Service" and is often referred to as "texting", "sending text messages" or "text messaging". This service allows for short text messages to be sent from one Mobile Phone to another Mobile Phone or from a Website to a Mobile phone.

The SMS text messaging service that is available from the GSM mobile phone network is used to send and receive information from the Air Conditioner Indoor Unit connected to the GSM Interface control.

What is the GSM Modem Interface?

A device designed to allow ON/OFF Control and ON/OFF and Alarm Status Feedback for TOSHIBA Air Conditioner equipment from a remote location using a mobile phone.



1. Connector CN08/CN09/CN22 or CN61 (not required for CN61 Connection)
2. Connect to the DC plug
3. Connect to the D-sub connector
4. Indoor unit cable
5. GSM Phone Control Interface TCB-IFGSM1E
6. RS-232C cable
7. AC adaptor - not required when CN61 is used
8. GSM modem and Telephone Number (SIM Card)

The **Mobile phone SMS text messaging service** is used to send control commands or status requests to the connected Indoor Unit via the GSM Modem Interface and locally procured GSM Modem. Once received, the GSM Modem Interface will carry out the command (or check the status request) of the connected Indoor Unit and send a reply to the pre-selected mobile phones.

Two possible control configurations are available depending on the Indoor unit Connection used.

- **HA Connection**
ON/OFF Control by mobile phone and On/Off Status Feedback.
- **CN61 Connection**
On/Off Control by mobile phone, On/Off Status Feedback and an Alarm signal output.

How many Mobile phones can be used?

There are two different ways in which a mobile phone can be used with this Interface.

- **Authorised Setting Configuration**
Used to send commands or requests to the GSM Modem Interface.

Max. 5



- **Authorised Feedback Configuration**
Used to receive information from the GSM Modem Interface, for example these phones will be used for an alarm signal output. When a command/request is sent to the Interface, only the Authorised Feedback phone numbers will receive the reply.

Max. 5

