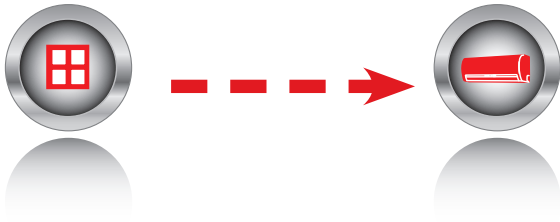


How many Indoor Units can be connected?

The TCB-IFCB5-PE Interface can be used to control a single Indoor Unit or a group of up to 8 Indoor Units when connected to the master unit of that group.

Up to 8



Which Indoor Unit Models can be connected?

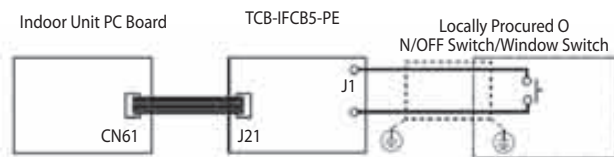
• Residential Equipment

No connection to residential models available.

• VRF, SDI & DI

Available on all Indoor units, excluding the RAV-SM***XT-E and RAV-SM***OKRT-E models.

CN61 connection diagram



Toshiba's Commitment to the environment

Toshiba constantly works to ensure that our air conditioners help protect the environment while delivering comfort, reassurance, reliability and cost savings to our customers around the world.

The new TCB-IFCB5-PE is no exception, conceived to offer further efficiency, reliability and cost savings for our already renowned products.

TOSHIBA

Toshiba EMEA Pre Sales & Controls Department

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Window Switch & On/Off Application Control Board



TCB-IFCB5-PE



Window Switch & On/Off Application Control Board



What is the TCB-IFCB5-PE?

This is an application control PC Board that is capable of providing two different control functions when connected to a Toshiba Indoor Unit, these are:

- Window Switch
- Remote On/Off Interface Controller

What is a Window Switch?

A Window Switch is a device used to ensure that an Indoor unit does not operate when a window in the air conditioned space is open.

Why use a Window Switch?

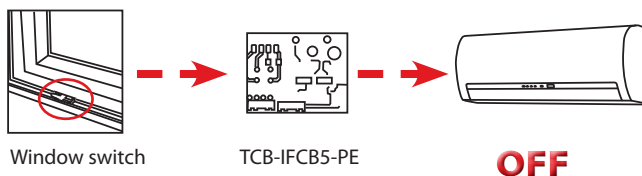
A window switch increases the efficiency and working life of the system by reducing the amount of energy that would be wasted in conditioning the outside air that flows into the conditioned space whilst the window is open.

Not only does this help to increase environmental friendliness of your Toshiba conditioned buildings but also helps to reduce the cost of running your Toshiba equipment.

How does the Window Switch Interface work?

The Toshiba window switch operates with the use of a locally procured window switch interface (Volt-Free Contact).

This switch is fitted to the window such that the contact is made when the window is closed, and broken when the window is open.



Each time the window is opened (contact open) the Indoor Unit operation is turned Off and will not operate again until the window is closed.

There are two possible operation selections for when the window is closed again.

- **Standard Function Mode**
The Indoor Unit operation remains Off.

- **Return Function Mode**
The Indoor Unit will revert to the last setting before the window was opened.

This function also allows the Interface to remember any ON commands sent to the Indoor Unit from another controller whilst the window is open, then using this information, it will switch the Indoor Unit ON when the window is closed regardless of the previous setting.

What is the Remote On/Off Controller?

The Remote On/Off controller is used to allow an external volt-free contact signal to turn the connected Air Conditioner On and Off, and has four possible priority settings.

- **Full priority**
External On/Off control has full On/Off priority over the unit.
- **On Priority**
External On/Off control has On priority, but Off control is set to last touch priority.
- **Off Priority**
External On/Off control has Off priority, but On control is set to last touch priority.
- **Last Touch Priority**
Priority is given to the most recent On/Off command.

How does the On/Off Controller operate?

The Remote On/Off Controller option operates with the use of a locally supplied volt-free Switch. When the switch contact is made the Indoor Unit will turn On.

When the switch contact is broken the Indoor Unit will switch off.