

## Installing TKIS-2 VoIP Intercom Module

Item Number	Item Name	Description
1008131020	TKIS-2	VoIP Intercom Module



Figure 1: TKIS-2 Overview

**Power/Relay Inputs:** Programmable relay. Max: 250VAC/220VDC, 2A, 60W

**I/O Interface:** Interface for control inputs, control outputs and analog audio line out.

**External Audio:** Connection for microphone and loudspeaker.

**Ethernet Port:** Ethernet connection with Power over Ethernet.

**DIN Mounting Clips:** Plastic clips for mounting the device to a DIN rail.

### 1 Mounting the TKIS-2

The TKIS-2 is normally mounted on a DIN rail. The DIN rail shall be mounted securely to the equipment rack, and properly stabilized.

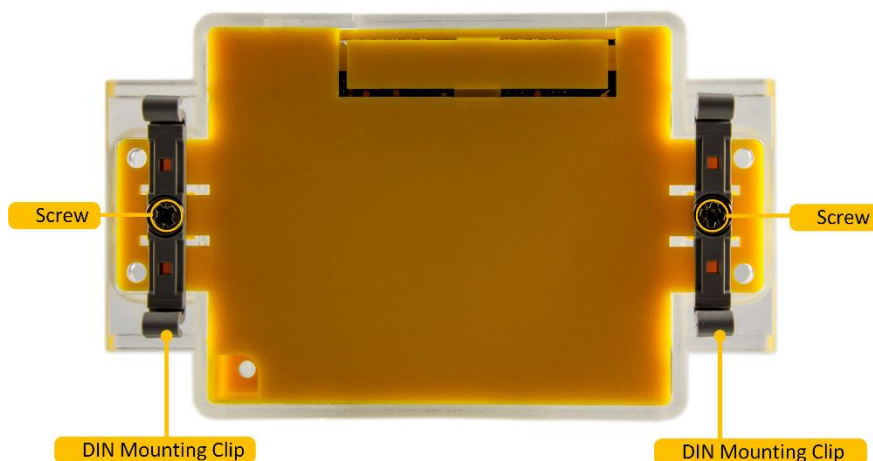


Figure 2: TKIS-2 Mounting Clips

To mount the TKIS-2:

1. Attach the mounting clips to the bottom of the device with the screws provided (see Figure 2)
2. Press the TKIS-2 against the DIN rail of the rack until the mounting clips snap into place

## 2 Power Supply

The TKIS-2 supports Power over Ethernet (PoE, IEEE 802.3 a-f) where power can be drawn from either the spare line or signal line. If PoE is not available, the Turbine Compact Station can be connected to a 24 VDC local power supply.

## 3 Network Connection

There is a RJ-45 port located on the TKIS-2 that is used for PoE/LAN Ethernet connection to the network.

## 4 Inputs & Outputs

There are 6 I/O connection options for the Turbine Compact Station. These connections can be used to interface with external I/O devices. The connections are typically used as digital input (e.g. form a closing contact), digital output (5V), or LED driving (20mA max) for connecting sensors, indicators or integration to other systems. The TKIS-2 also includes connections that can be used for external audio such as a microphone or a loudspeaker.

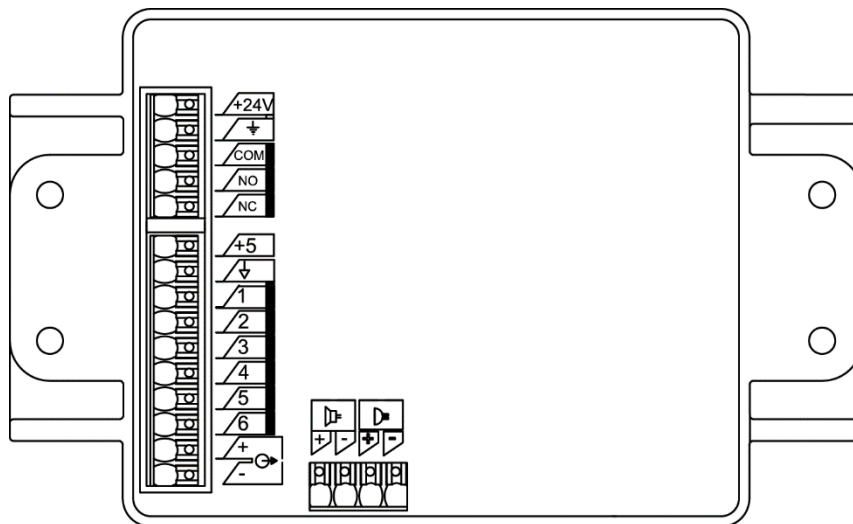


Figure 3: Main Connectors on TKIS-2

Ethernet / Power	10/100 Mbps Ethernet RJ-45 port for LAN (uplink) connection. Supports PoE (802.3af). Draws power from either spare line or signal line.
Secondary Power	24 VDC (16 – 48 V) secondary power is provided from an external adapter.
Relays	There is one Double Throw relay contact with 60W switching power. COM, NO, NC contacts are provided. Max: 250VAC/220VDC, 2A, 60W.
Input/Output	6 general purpose I/Os are available. Each I/O can be configured as either button input or LED driver.
Audio Line Out	A balanced 600 ohm audio line out with induction loop signal