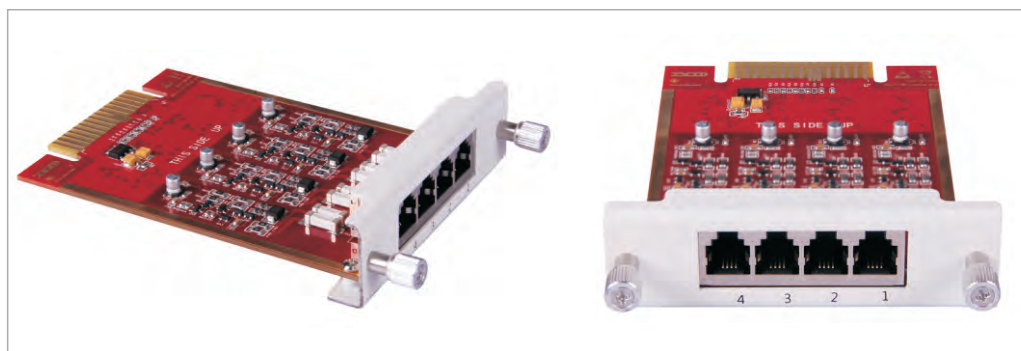# CooVox V2 4FXO Module(Analog Trunk) Datasheet

FXO (Foreign Exchange Office)
The Analog Trunk FXO is an interface that connects to a trunk line, like the one from your service provider. It receives ringing voltage and battery from FXS devices. FXO interfaces are used to connect your PBX to the PSTN. One FXO channel is required for each line you receive from your telco.

The Analog Trunk FXO provides connectivity to analog central office loop start trunk line analog interfaces. And it can be combined with BRI, PRI, GSM module.

Typically, a phone is connected to a loop start line from the Telco and is, by default, in an on-hook state. When the phone goes off-hook, the phone completes the line circuit and current flows through the line. The Telco provides an audible dial tone to the phone and accepts dual-tone multi-frequency (DTMF) digits from the caller.

The Central Office Interface Circuit (COIC) is the heart of the loop start Analog interface, and takes the place of a telephone when connecting to the Telco.

The loop start Analog Interface provides the following features:
-Detects ringing when on-hook
-Detects loop current when off-hook
-Detects when tip/ring voltage crosses a set voltage when on-hook or off-hook (called DC triggering)
-Can accommodate private branch exchange (PBX) with –48 V battery voltage
-Loop current range: 13-110mA
-Voltage detection threshold is software-selectable

The 4FXO module applies to CooVox-U50/U100V1,U80,U50/U100V2 IP Phone System; It has 4RJ11 ports for PSTN line connection. Each port has one LED(Light-Emitting Diodes).
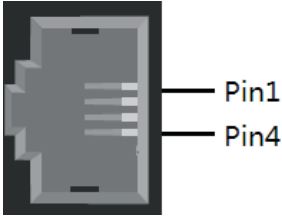
The LED indicates port status:

> Solid Red= Module loading successful
> Blink Red= Channel Ringing

If the LED is off, the FXO module is loading failed.

All four ports on zycoo 4FXO module bracket are 6P4C RJ11 ports. The pin assignments are indentified in Tabel 1.

Table 1: RJ11 Telco Port Connector

PIN	Description
1	Not used
2	Tip
3	Ring
4	Not used

Environmental Operation Information
Temperature: 0°C ~ 40°C
Humidity: 5% ~ 95% Non-Condensing

Physical Dimensions
88.5 x 132 mm

Certifications
CE / FCC / RoHS