

# 4-Port FXO Module For IPX-2100/IPX-2500



### FXO (Foreign Exchange Office)

The Analog Trunk FXO is an interface that connects to a trunk line, like the one from your ISP (Internet 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.

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 IPX-21FO module supports IPX-2100/IPX-2500 IP PBX System with 4 RJ11 ports for PSTN line connection. Each port has one LED (Light-Emitting Diodes).

The red LED indicates the following port status:

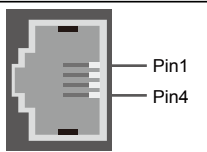
>Solid Red= Module loading successful

>Blinking Red= Channel ringing

If the LED is off, the FXO module is loading failure

All the four ports on IPX-21FO module bracket are 6P4C RJ11 ports. The pin assignments are identified in Table 1.

Table 1: RJ11 Telco Port Connector

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

- 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 -48V battery voltage
- Loop current range: 13-110mA
- Voltage detection threshold is software-selectable

## Specifications

Product	IPX-21FO
Environmental Operation Information	
Temperature	0°C ~ 40°C
Humidity	5% ~ 95% non-Condensing
Physical Dimensions	88.5 x 132 mm
Emission	CE, FCC

## Ordering Information

IPX-21FO	4-Port FXO Module For IPX-2100/IPX-2500
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## Related Products

IPX-2100	Internet Telephony PBX System (100 SIP User Registrations)
IPX-2500	Internet Telephony PBX System (500 SIP User Registrations)
IPX-21SL	4-Port Life-Line Module for IPX-2100 / IPX-2500 (2FXO + 2FXS)
IPX-21GS	4-Port GSM Module for IPX-2100 / IPX-2500