



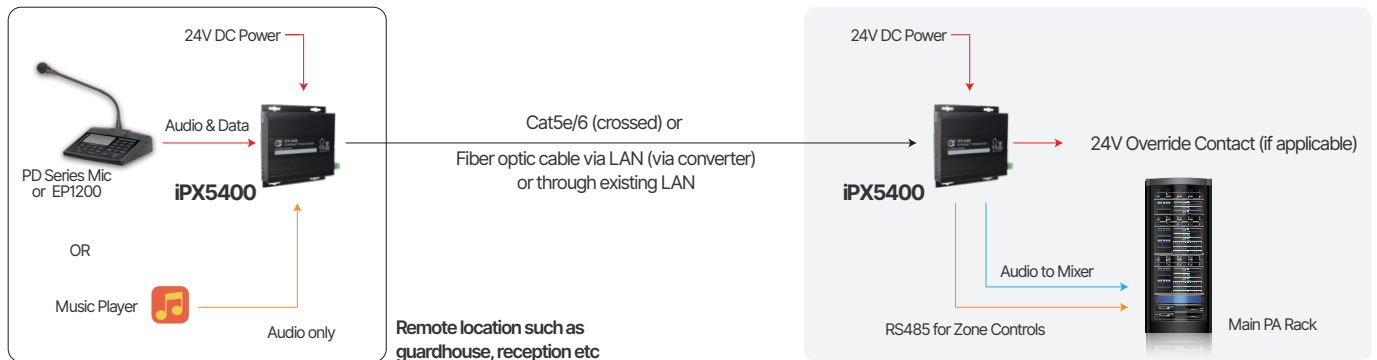
**iPX5400** is a pair-based duplex IP transceiver designed to transmit audio and RS485 data over LAN, direct UTP connection, or fiber (via converter) for long-distance communication. It enables peer-to-peer paging and audio transmission without requiring a full IP controller, making it a simple solution for remote installations.

Ideal for applications such as linking a guard house to a main building via fiber (reducing lightning surge risks), rack-to-rack transmission over existing LAN infrastructure, or integration with wireless access points where new cabling is not feasible.

### Key Features

- **Ultra-low latency** audio and data transmission ( $\approx 20$  ms)
- Supports **simplex (music)** and **full-duplex (paging + RS485 data)**
- Two streaming modes: **Always-On** or **trigger-activated (API supported)**
- **Dry contact input** for remote triggering
- **Relay output** for external device control
- Supports **automatic link crossover**
- Easy setup via **web browser** and PMX software compatible
- **Operates independently** without network switch or IP server (iPX5101 MK II controller)

### Application Schematic: Peer-to-Peer Direct Connect



### Technical Specifications

Operating voltage	24V DC (18-24V DC)
Current consumption	60mA (1.5W)
Data interface	RJ45 (10/100Base-T)
Protocols	TCP/IP, UDP, IGMP, HTTP
Priority protocols	UDMP, ADP
Analogue In / Out	1.25V rms (line level)
Input impedance	10k Ohm
Input capacitance	100 pF
THD + Noise	< 1% (0.1%)

S/N ratio	83 dB
Conversion format	WAV PCM, 48kHz, 16-bit (bidirectional & half duplex)
Data communications	UART RS485 (bidirectional & full duplex)
User interface	Web browser interface (Google Chrome)
Firmware upgrade	Via web browser
Operating temperature	-10°C to 60°C
Relative humidity	<70%
Dimensions (W x H x D)	120 x 28 x 132 mm
Net weight	300g

### Packing Information

Carton size	155 (L) x 105 (W) x 125 (H) mm
Gross weight	1.0 kg (including adapter)
Qty/carton	1 unit per carton

