



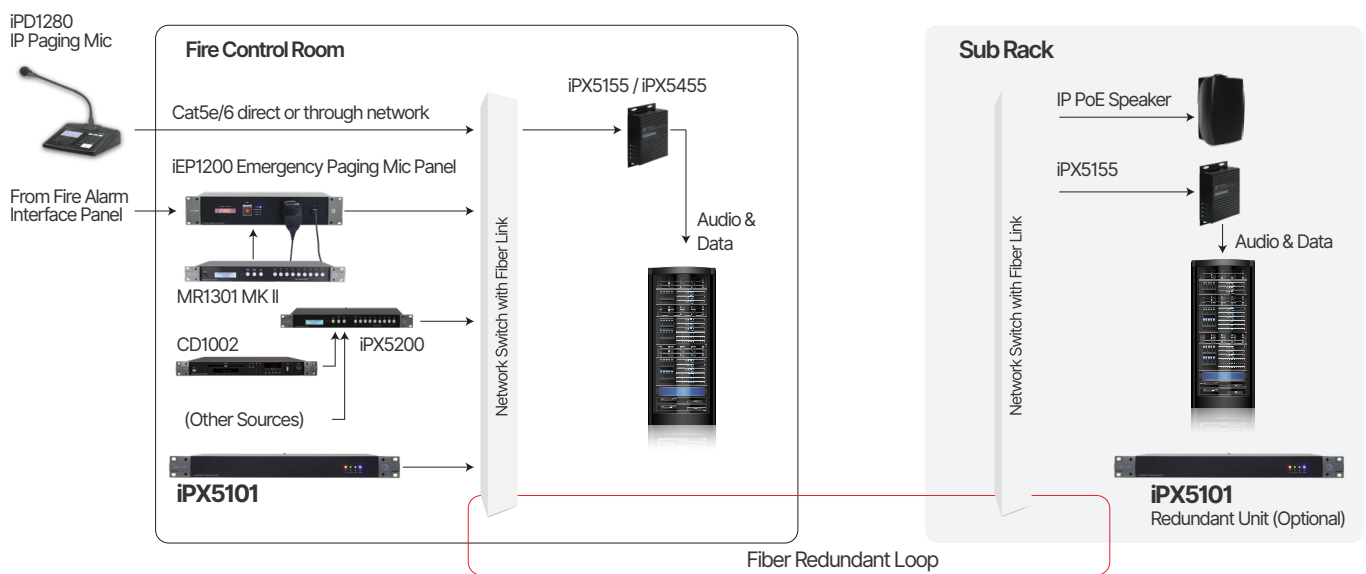
iPX5101 serves as the central network controller for Amperes IP-based PA systems, managing all connected IP devices across a LAN. Acting as a traffic controller for paging clients—such as iPD paging microphones, iPX5155, and iEP1202 modules—it monitors network activity and routes data based on priority levels, traffic conditions, and zone configurations. The unit efficiently handles priority access, traffic control, logging, and audio streaming, with full support for both Multicast and Unicast modes.

System configuration is easily managed via a user-friendly web browser. Because only one iPX5101 is required per system, it provides a highly reliable, scalable core for your IP audio network, backed by regular firmware updates for continuous feature enhancements.

Key Features

- **Ultra-low latency** audio and data transmission
- **Single unit controls** the entire system with **automatic client detection**
- Easy setup via **web browser**
- Real-time connectivity and **system status monitoring**
- Compatible with **Multicast and Unicast streaming modes**

Application Schematic for iPX5101



Technical Specifications

Operating voltage	24V DC (18-24V DC)
Current consumption	60mA (1.5W)
Power consumption	1.5W
LAN interface	RJ45 (10 / 100 Base-T)
Common protocols	TCP/IP, UDP, IGMP, HTTP
Priority protocols	UDMP, ADP
Client connection	248 max clients
User interface	Web browser interface (Google Chrome)
Firmware update	Via web browser
Operating temperature	-10°C to 60°C
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	1.90 kg

Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.50 kg
Qty/carton	1 unit per carton

