DESCRIPTION:

The IPW-1A provides voice-quality intercom communication and relay activation over standard IP based networks. Designed specifically to integrate seamlessly into a new or existing LAN / WAN infrastructure, the IPW-1A system is capable of supporting hundreds of stations. Providing intercom/paging solutions to a large variety of applications including commercial, industrial, residential, general security, office, and institutional.

The IPW-1A works with Aiphone's proprietary CommuniCenter software to create a network intercom system. The IPW-1A is compatible with any of the Aiphone IE door stations. The system allows for call-in to the PC via the CommuniCenter software, general communication between the PC and the intercom station, as well as the ability to activate the electric door release.
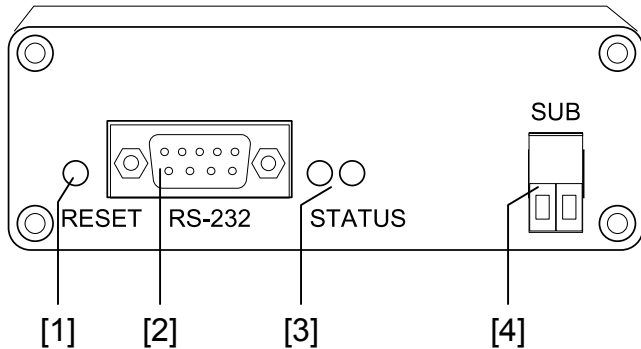
FEATURES:

- Cost-effective multi-master (PC based) design

- Compatible with IE Series door stations

- Scalable to hundreds of stations / locations

- Works with standard wired and wireless network infrastructure. (LAN/WAN)

- Digital audio recording and playback capability via included software

- Relay output for remote release (N/O or N/C) (the relay can also be configured to trigger when communication is being transmitted to the IPW-1A, communication is being transmitted from the IPW-1A, or the call button on the sub station is pressed)
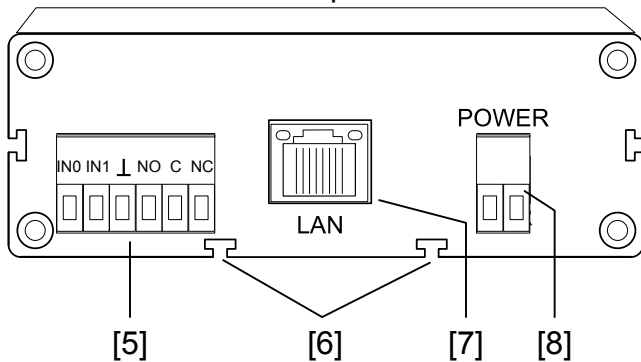
- External input

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IPW-1A
Intercom-Over-IP Adaptor

FEATURE CALL-OUTS:

Front plate

SUB

RESET RS-232 STATUS

[1] [2] [3] [4]

Rear plate

POWER

IN0 IN1 ⊥ NO C NC

LAN

[5] [6] [7] [8]
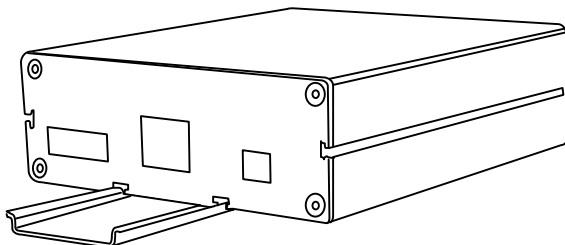
IPW-1A with Mounting Rail

FEATURE CALL-OUT DEFINITIONS:

[1] Reset switch (reset unit)

[2] RS-232 Serial Port (for firmware recovery)

[3] Green and Red Status Lights

[4] Sub station connector

[5] Door release relay output & external input
   Door release:
   NO = Normally open contact
   NC = Normally closed contact
    C = Common
   External input:
   IN0 = call button input (simulates door call in)
   Gnd = ground

[6] Mounting rail slots

[7] RJ-45 10/100 Ethernet jack & connection indicator LED's (network connection)

[8] Power input connector

SPECIFICATIONS:

Power Source:	15VAC, PT-1211C (included)
Network Interface:	10/100 Base-T Ethernet (Auto detection) RJ-45
IP Assignment:	Static or Dynamic
Hardware Protocols:	TCP/IP, UDP, DHCP, SNMP, AutoIP, SonicIP, Ipzator
Transport Bandwidth:	≈128Kbps per active session (normal mode) ≈64Kbps per active session (low bandwidth mode)
Audio Encoding:	PCM (raw), G.7ll (µLaw)
Audio Sampling:	16bit @ 8kHz (normal mode) 8bit @ 8kHz (low bandwidth mode)
Output Level:	Determined by sub station
Relay contact Rating:	30V AC/DC 1.0A (resistive)
Operating Temp:	32°F to 104°F (0°C to 40°C)
Dimensions:	1-½" H x 4-¼" W x 4-15/16" D