

FE-SPK-IPC2

Classic wooden classroom speaker, FE-SPK-IPC2 is an active PoE+ SIP-speaker. Able to connect to any SIP-server as standard SIP-client and get a phone call as standard SIP-extension. Simple to install and set up. Audio files and voice messages can be streamed live or uploaded to device to play them later or periodically from build-in timer/scheduler. Auto-provisioning through IP-INTEGRA SIP server saves time, especially in the case of large-scale installations. The module can easily be integrated with 3rd party SIP systems through WEB interface.



At a first glance

- EN 54-24 Certification
- Ball-proof according to DIN 18032
- User-friendly WEB interface for Remote Setup
- Full range speaker
- Designed for wide response (music and speech)
- Self-diagnosing and reporting through e-mail
- Wooden cabinet with protective metal grille
- Easy wall mounting via supplied mounting bracket and accessories

Specification	
HARDWARE	
Ethernet connector	1x RJ 45
Power Options	PoE and/or external PS 5V/1.5A DC
PoE	IEEE 802.3at
Power Consumption	Idle: 1.8W / Max: 20W (Volume dependant)
CPU	Allwinner H2+, Quad-core Cortex A-7
NETWORKING AND PROTOCOLS	
Protocols	IPv4 (with DiffServ), SIP, TCP, UDP, HTTP, RTP, DHCP, SNMP, NTP
LAN Protocols	PoE (802.3at) Network Access Control (802.1x)
Management and operation	HTTP (Web Configuration) DHCP and Static IP, Remote Software upgrade, Centralized monitoring
SIP Support	RFC3261 (SIP Base Standard), RFC3515 (SIP Refer), RFC2976 (SIP Info), SIP using TLS, RFC5630 SIPS Uri scheme
DTMF Support	RFC2833, 2976 (SIP Info)
OTHER SPECIFICATIONS	
Input	1x I/O PIN 5V DC and 12V DC
Output	3x Open-Controller @ 2A, up to 15V (LED RGB Button drive)
Microphone	Yes
SPEAKER SPECIFICATION	
Rated Power	10 W
Impedance	10 Ω
SPL (1W/1m)	93 dB
MAX SPL (Rated W/1m)	100db
Frequency range (-10dB)	100 Hz to 19 kHz
Dispersion 1 kHz / 4 kHz	175° / 65°
Operating temperature	-30°C to +60°C
Power Selection	PoE+
Material	Housing: Steel
Colour and finish	White
Dimensions	265x165x90 (HxWxD)
Net Weight	2kg
Mounting	Screws



Freund Elektronik A/S, in cooperation with our sister company Freund Elektronika D.O.O. Sarajevo, is developing an IP-Based Intercoms, Audio Systems, Access Control and Smart Home solutions.

As a developer, manufacturer, and reseller, we have been self-improving and perfecting ourselves for over 30 years.

In the industry, we negotiate the most advanced and innovative solutions regarding the building communication. Our daily focus is on the development and user friendliness of our high quality and pleasantly designed products.

As a developer and manufacturer of our own IP-INTEGRA system, we have made a top-of-the-line products for Door Telephony, Public Audio, and Access Control solution.

Our development department, together with our partners, has created elegant and robust door phones, SIP-Centrals, Terminals, IP-Speakers, ACC Controllers, and applications with intelligent features using the most advanced technologies when available, and creating new technologies when they are not while keeping it simple for our customers.

