



IP Speakers PROV-H Series



PROV-H-446P

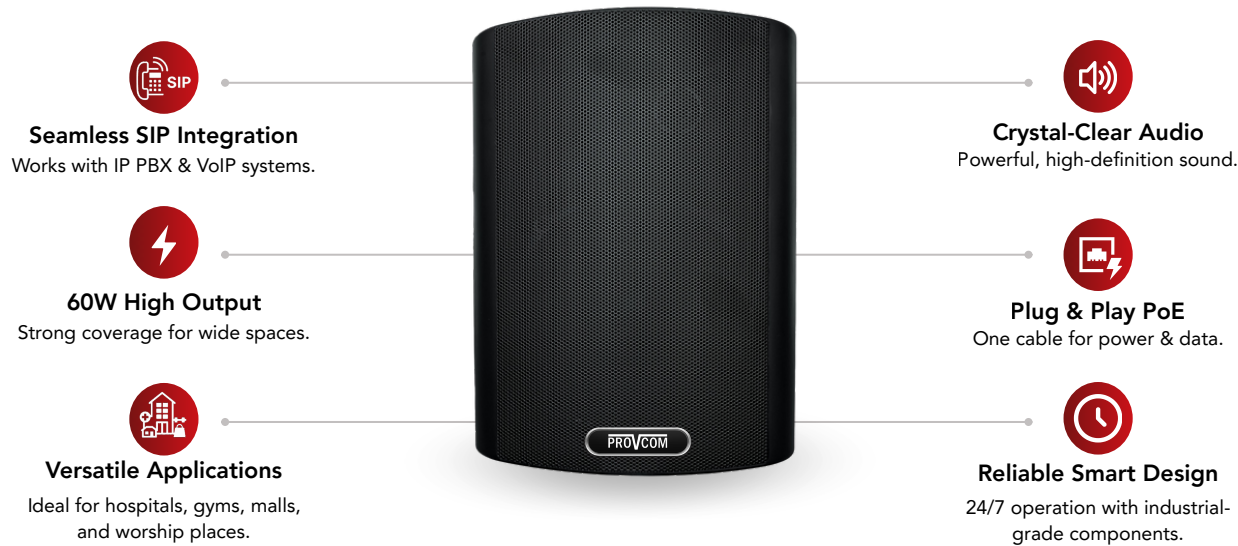
SIP PoE Wall Mounted Speaker

*Delivering Intelligent, High-Power Audio
Solutions with Seamless SIP Integration
and Unmatched Reliability.*



PROV-H-446P Features

The PROV-H-446P SIP PoE Wall Mounted Speaker combines elegant design with powerful performance to deliver clear, reliable, and intelligent audio communication. Supporting the latest SIP protocol and PoE technology, it ensures effortless integration, centralized control, and unmatched sound quality. Ideal for healthcare, education, business, and public safety, the PROV-H-446P is the perfect choice for organizations seeking a modern, secure, and high-performance paging solution.



Feature

• PoE / DC12–24V external power supply, supports IEEE 802.3at and IEEE 802.3bt standards.	• Maximum output power 60W (main speaker and extension).
• Simple operation: automatic connection with server after networking, no manual setup required.	• Supports retrieving tracks from the server.
• Automatic synchronization of timing programs with server changes.	• Supports SIP (RFC3261) protocol, compatible with mainstream IP PBX/IMS platforms.
• Supports VoIP telephone access.	• Remote firmware upgrade supported.
• Remote fixed-point, sub-multicast, and whole-area broadcasting.	• Built with embedded Linux + DSP audio processing + high-speed industrial-grade chips.
• External audio source or MIC input available; collected audio can be streamed to designated terminals.	• Standby power < 0.3W, compliant with eco & energy-saving standards.
• Supports cross-VLAN or 3-layer routing.	• Remote internet playback function.
• Restore factory settings function.	• Can be linked with IP camera for real-time on-site monitoring.
• Remote volume adjustment via software.	• Supports IP address broadcasting.
• File playback delay < 50ms.	• Real-time speech delay < 150ms.

Components

PROV-H-446P Components



1	DC12-24V Power Input	Optional external power supply input.
2	USB Port	For local configuration or firmware upgrade.
3	Line In (3.5mm Jack)	External audio input source.
4	Reset Button	Restores factory settings.
5	Volume + / Volume -	Manual adjustment of output volume.
6	Status LED	Indicates power, network, and activity status.
7	WAN (PoE) Port – RJ45	Main network interface supporting Power over Ethernet.
8	EXT SPK Terminal (Optional)	Connector for extension speaker output – available upon client request.
9	Mounting Bracket	Provides secure wall installation.

Technical Specifications

Technical Specifications

Model	PROV-H-446P	Line Input	mV 500
PoE Standard	IEEE802.3at (PoE Plus)	Line Output	mV 1000
Rated Power	60W	S/N Ratio	dB 97 ≤
Dimensions	mm 162 × 182 × 242	Frequency Response	Hz 18,000 – 40
Net Weight	kg 2.3	Distortion (THD)	0.1% >
Network Interface	RJ45	Network Cable Requirement	CAT 7,CAT 6 ,CAT 6A ,CAT 5E
Transmission Protocol	TCP/IP, UDP, SIP,RTP	Power Supply Cable Pair	2Pairs

Network & Management

Category	Specification / Support
Network Delay	< 50 ms
Protection	Short-circuit, overheating, and overload automatic detection & protection
Interface Rate	10/100/1000 Mbps adaptive
Protocols Supported	SIP , TCP/IP, UDP, DHCP, VLAN ,RTP
DNS	Primary & Secondary DNS
VLAN	Supported
SNTP Client	Supported
VPN	L2TP / PPTP/ IPsec / OpenVPN
Security	SRTP, MD5 authentication
Web & Transport	HTTP / HTTPS
QoS	802.1p/q, DSCP
Additional Protocols	PPPoE, STUN
Configuration & Management	Auto-Provisioning (FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR069)Web management interfacePacket dump (web-based)Configuration export/importSoftware upgradeSyslog (system log)