



SIP Intercom Speaker/Microphone

KNL15

KNL15 is a SIP intercom speaker and microphone that allows offices, schools, hospitals, apartments and more to build powerful voice intercom solutions that expand security and communication. This robust SIP intercom device offers 2-way voice functionality with both a high-fidelity 8W HD speaker and 3 directional microphones with Multichannel Microphone that offer a 4.2 meter pickup distance.

The KNL15 supports a wide-range of peripherals including Bluetooth devices, built-in whitelist and blacklists to easily block unwanted calls, integrated dual-band Wi-Fi and advanced acoustic echo cancellation.

The KNL15 is modern industrial design with rich features, it is the ideal intercom speaker/microphone for any setting.



Full-duplex speakerphone with HD acoustic chamber, advanced acoustic echo cancellation



3 directional microphone



Integrated dual-band 802.11 a/b/g/n Wi-Fi and Bluetooth



One 10/100Mbps network port with PoE/ PoE+



	NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, LLDP-MED, TR-069, 802.1x, TLS, SRTP
Network Interfaces	One 10/100 Mbps port with integrated PoE/PoE+
Bluetooth	Yes, integrated. Bluetooth 4.0 + EDR
Wi-Fi	Yes, dual-band 2.4 & 5GHz with 802.11 a/b/g/n,
Auxiliary Port	One 2-pin multi-purpose input port, Reset
Voice Codecs and Capabilities	G.711 μ /a, G.722 (wide-band), G.726-32, iLBC, Opus, G.729A/B in-band and out-of- band DTMF (In audio, RFC2833, SIP INFO), AEC,
Telephony Features	SIP Paging, Multicast Paging, call-waiting with priority override
HD Audio	Yes, HD speakerphone with support for full band audio with 48KHz voice sampling frequency
Speaker and Microphones	8W high-fidelity HD speaker; 3 directional microphones with beam-forming capability and up to 4.2-meter voice pickup distance
QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
Security	User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control
Multi- language	English, Chinese
Upgrade/Provisioning	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload,
Power & Green Energy Efficiency	Integrated PoE * 802.3af Class 3, PoE+ 802.3at Class 4
Temperature and Humidity	Operation: 0°C to 40°C Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing
Package Content	SIP Intercom Speaker/Microphone, mounting kits, quick installation manual License.
Physical	Unit Dimensions: 215mm (diameter) x 68mm (depth) Unit Weight: 0.8kg, Box Weight: 1.39kg

