SIP/Multicast Talk-Back Speaker

GSC3516

The GSC3516 is a SIP/Multicast Talk-Back Speaker 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 15W HD speaker and 3 directional microphones with Multichannel Microphone Array Design (MMAD) and 1 omnidirectional auxiliary microphone that offer a 4.2 meter pickup distance. The GSC3516 supports a wide-range of peripherals including Bluetooth devices, built-in whitelists, blacklists and greylists to easily block unwanted calls, integrated dual-band Wi-Fi and advanced acoustic echo cancellation. By pairing the GSC3516 with other Grandstream devices, including desktop and cordless IP phones as well as the GDS series of Facility Access products, users can easily sculpt a state-of-the-art security and voice intercom solution. Thanks to it's modern industrial design, cleanable exterior surface and rich features, the GSC3516 is the ideal intercom speaker/microphone for any setting.

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

3 directional mics with MMAD & microphone beamforming array and 1 omnidirectional auxiliary microphone

Full-band and wide-band audio codec support including Opus & G.722

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

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

2-pin multi-purpose input to support peripherals including call buttons

Protocols/Standards	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, RTCP-XR,HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, LLDP-MED, SIMPLE, LDAP,TR-069, 802.1x, TLS, SRTP, IPv6, OpenVPN®
Network Interfaces	One 10/100 Mbps port with integrated PoE/PoE+
Operating System	Linux
Bluetooth	Yes, integrated. Bluetooth 2.1+Enhanced Data Rate (EDR)+ BT4.2
Wi-Fi	Yes, dual-band 2.4 & 5GHz with 802.11 a/b/g/n/ac
Auxiliary Port	One 2-pin multi-purpose input port, Reset
Voice Codecs and Capabilities	G.711µ/a, G.722 (wide-band), G.726-32, iLBC, Opus, G.723, G.729A/B, in-band and out-ofband DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS
Telephony Features	SIP Paging, Multicast Paging, Group Paging, PTT, Call-waiting with priority over-ride, Bluetooth SCO call
HD Audio	Yes, HD speakerphone with support for full band audio with 48KHz voice sam-pling frequency
Speaker	15W high-fidelity HD speaker Frequency: 110Hz-20000 Hz Sensitivity: Up to 90 dBA at 1W power at 0.5 meter
Microphone	3 directional microphones with beam-forming capability and 1 omnidirectional auxiliary microphone that offer a 4.2 meter 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 authentica-tion, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control,secure boot
Multi-language	English, German, French, Spanish, Portuguese, Russian & Chinese
Upgrade/Provisioning	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisio-ning using GDMS/TR069 or AES encrypted XML configuration file
Power & Green Energy Efficiency	Integrated PoE* 802.3af Class 3, PoE+ 802.3at Class 4
Temperature and Humidity	Operation: 0°C to 45°C Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing
Package Content	GSC3516 SIP/Multicast Talk-Back Speaker, mounting kits, quick installation guide
Physical	Unit Dimensions: 257mm (diameter) x 68.5mm (depth) Unit Weight: 0.92kg , Box Weight: 1.75kg
Compliance	FCC: FCC 47 CFR Part 15 Subpart B;FCC 47 CFR Part 15 Subpart C;FCC 47 CFR Part 15 Subpart E. IC: ICES-003;RSS-247 Issue 2;RSS-Gen Issue 5;RSS-102 Issue 5. CE: ETSI EN 300 328;ETSI EN 301 893;ETSI EN 300 440;ETSI EN 301 489-1;ETSI EN 301 489-3;ETSI EN 301 489-17;EN 55032;EN 55035;EN IEC 61000-3-2;EN 61000-3-3;EN IEC 62311;EN IEC 62368-1. UKCA: ETSI EN 300 328;ETSI EN 301 893;ETSI EN 300 440;ETSI EN 301 489-1;ETSI EN 301 489-3;ETSI EN 301 489-17;BS EN 55032;BS EN 55035;BS EN IEC 61000-3-2;BS EN 61000-3-3;BS EN IEC 62311;BS EN IEC 62368-1. RCM: AS/NZS CISPR 32;AS/NZS 62368.1;AS/NZS 4268;AS/NZS 2772.2.

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