



## SIP Intercom Speaker/Microphone GSC3510

The GSC3510 is a two-way 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 Array Design (MMAD) that offer a 4.2 meter pickup distance. The GSC3510 supports a wide-range of peripherals including Bluetooth devices, built-in whitelist and blacklists to easily block unwanted calls, integrated dual-band WiFi and advanced acoustic echo cancellation. By pairing the GSC3510 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 its modern industrial design and rich features, the GSC3510 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



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



Integrated dual-band 802.11 a/b/g/n WiFi



Integrated Bluetooth support



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



Web-UI access for control and configurations



Supports HD push-to-talk with Grandstream's cordless handsets



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

<b>Protocols/Standards</b>	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, LLDP-MED, TR-069, 802.1x, TLS, SRTP, IPv6, OpenVPN®
<b>Network Interfaces</b>	One 10/100 Mbps port with integrated PoE/PoE+
<b>Bluetooth</b>	Yes, integrated. Bluetooth 4.0 + EDR
<b>Wi-Fi</b>	Yes, dual-band 2.4 & 5GHz with 802.11 a/b/g/n, WMM
<b>Auxiliary Port</b>	One 2-pin multi-purpose input port, Reset
<b>Voice Codexes and Capabilities</b>	G.711µ/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), VAD, CNG, AEC, PLC, AJB, AGC, ANS
<b>Telephony Features</b>	SIP Paging, Grandstream proprietary Push-to-Talk (PTT), call-waiting with priority override
<b>HD Audio</b>	Yes, HD speakerphone with support for full-band audio
<b>QoS</b>	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
<b>Security</b>	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
<b>Multi-language</b>	English, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and more
<b>Upgrade/Provisioning</b>	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisioning using AES encrypted XML configuration file
<b>Power &amp; Green Energy Efficiency</b>	Integrated PoE* 802.3af Class 3, PoE+ 802.3at Class 4
<b>Temperature and Humidity</b>	Operation: 0°C to 40°C Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing
<b>Package Content</b>	GSC3510 SIP Two-Way Intercom Speaker, PoE injector, mounting kits, quick installation guide, brochure, GPL license
<b>Temperature and Humidity</b>	Operation: 0°C to 40°C Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing

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