

Grandstream GSC3510 SIP Intercom Speaker and Microphone



Product Name: Grandstream GSC3510 SIP Intercom Speaker and Microphone

Manufacturer: Grandstream

Model Number: GSC3510

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The Grandstream GSC3510 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 Array Design (MMAD) that offer a 4.2 meter pickup distance.

GSC3510 Key Features:

- 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 and Bluetooth
- One 10/100Mbps network port with PoE/ PoE+
- 2-pin multi-purpose input to support peripherals including call buttons

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.

Secure, simple to use paging capabilities for mass announcements The added security and intercom-paging capabilities of the GSC3510 SIP intercom, allows for quick and straight-forward mass announcements and the ability to configure desktop endpoints to quickly page through all GSC intercoms. For example, to page a specific doctor in a healthcare deployment, make announcements throughout event spaces, request more cashiers in a shop. Two way intercom The device can work as a two way intercom which allows for quick conversations when paging/calling specific GSC units within a communications network. For example, calling a classroom to request a student to be sent to a main-office. Easy configuration with Grandstream devices Grandstream's proprietary Push-to-Talk capable devices can be configured to directly PTT through a specific or series of GSC3510 devices. The GSC3510, when paired with any of the Grandstream desktop and cordless IP phones, or any of the DGS series of door phones, offers a state-of-the-art security and voice intercom solution. 2-pin multi-purpose input The GSC3510 also features 2-pin multi-purpose input that supports multitudes of peripherals including, a call-button or panic-button that would enable the GSC3510 to initiate a call to a predetermined endpoint, such as a security office phone or reception phone. When used with a call-button peripheral, the GSC can function as a security device to protect both in-network users and out-of-network users. Access through a facility can be controlled through an individual initiating a call through the GSC3510, or a panic-button can connect a user with security staff in the case of an emergency. Accessible for easy-way mobility When deployed in senior-care or healthcare industries, the GSC3510 can provide an easy way for mobility-impaired users to connect with nursing and healthcare staff.

Grandstream GSC3510 Technical Specification
Protocols/Standards

• 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,

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IPv6, OpenVPN®

Network Interfaces

½ One 10/100 Mbps port with integrated PoE/PoE+

Bluetooth

½ Yes, integrated. Bluetooth 4.0 + EDR

WiFi

½ Yes, dual-band 2.4 & 5GHz with 802.11 a/b/g/n, WMM

Auxiliary Port

½ One 2-pin multi-purpose input port, Reset

Voice Codecs and Capabilities

½ G.711µ/a, G.722 (wide-band), G.726-32, iLBC, Opus, G.729A/B in-band and out-ofband DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJS, AGC, ANS

Telephony Features

½ SIP Paging, Multicast Paging, call-waiting with priority override

HD Audio

½ Yes, HD speakerphone with support for full band audio with 48KHz voice sampling frequency

Speaker and Microphones

½ 8W high-fidelity HD speaker; 3 directional microphones with beam-forming capability and up to 4.2-meter voice pickup distance

QoS

½ Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS

Security

½ 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

½ English, German, French, Spanish, Portuguese, Russian & Chinese

Upgrade/Provisioning

½ Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisioning using AES encrypted XML configuration file

Power & Green Energy Efficiency

Grandstream GSC3510 SIP Intercom Speaker and Microphone

• 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

• GSC3510 SIP Intercom Speaker/Microphone

• Mounting kits

• Quick installation guide

• GPL license

Physical

• Unit Dimensions: 215.32mm (diameter) x 68.7mm (depth)

• Unit Weight: 0.8kg

• Box Weight: 1.39kg

Compliance

• FCC: Part 15 (CFR 47) Class B; UL 60950 (power adapter); FCC Part 15C, FCC Part 15E, MPE

• CE : EN 55032; EN 55024; EN 61000-3-2; EN 61000-3-3; EN 60950-1; EN 301 489- 1/17; EN 300 328; EN 301 893; EN 62311; RoHS

• RCM: AS/NZS CISPR 32/24; AS/NZS 60950.1; AS/NZS 4268

• IC: ICES 003, RSS 247, RSP-100, RSS 102

Price: £187.10