Aastra S850i

SIP-based Wireless Conference Phone Delivers a New Level of Freedom and Flexibility for Audio and Video Conferencing.

The S850i from Aastra, designed specifically for use in conference rooms, boardrooms and executive offices, employs the latest in secure wireless audio technology. Comprised of several distinct components, the S850i redefines the traditional conference call experience giving users unprecedented freedom with respect to placement and accessibility of the speaker, microphones and dial pad. Supporting wideband audio technology, the S850i delivers superior sound quality and performance meeting all of your audio and video conferencing needs.

Aastra S850i

Key Features and Benefits

Wireless Freedom

No more wires on the conference room table or floor. Simply locate the wireless base unit in a convenient and inconspicuous location where it can be connected to the IP network and then place microphones, speaker and dial pad anywhere they are required in the room.

Superior Audio Quality and Performance

Two tabletop omnidirectional microphones pick up sound from all directions ensuring everyone participating in the conference call can be heard clearly. An optional wearable microphone allows for presenters to move freely about the room and still be easily heard without having to talk loudly.

Integration with Video Conferencing and PC Applications

The S850i is equipped with balanced analog audio input/output connections facilitating easy integration with video conferencing systems such as the Aastra BluStar™ for Conference Room solution. This allows the S850i microphones and speaker to be used for video calls and provides excellent acoustic echo cancellation and noise control for your video calls. PC applications, including BluStar for PC, can also be integrated with the S850i using the same balanced analog audio input/output connections.

S850i Conference Phone Components

- One handset dialer for operation and system configuration
- One wireless speaker
- Two omnidirectional tabletop microphones
- One charger tray for speaker, microphones and handset dialer, supplied with universal AC power adaptor
- One wireless base unit with 7 ft. Ethernet cable

Private Call or Conference Call

Private calls can be conducted using the handset dialer, and the call can easily be switched to conference mode to use the speaker and microphones.

Bluetooth® Connectivity

The S850i is equipped with a Bluetooth interface that supports the Hands Free Profile (HFP) allowing users to make a call using a mobile phone, computer or other device via a Bluetooth connection.

Intelligent Engineering

Acoustic echo canceller for speaker and microphone allows for a natural conversation. The wireless microphones are shielded to avoid interference from mobile phones and other electronic devices.

Call Manager Compatibility

The S850i is compatible with Aastra MX-ONE, A400, A5000 and Clearspan communication servers, as well as multiple third party PBX platforms.

Wireless Technology

✴ DECT 6.0 (1920-1930 MHz)

✴ DECT ETSI ETS 300 175 (1880 - 1900 MHz)

✴ Bluetooth® 2.1+EDR (Enhanced Data Rate)

Audio Standards & Features

✴ Two wireless microphones (omnidirectional, or wearable)
  • Microphone frequency pickup: 100 – 11,000 Hz
  • 12 ft (3.60 m) microphone pickup
  • Individual acoustic echo cancellation per microphone
✴ One wireless Speaker
  • Speaker frequency response: 120 – 11,000 Hz
  • Volume: adjustable to 91 dB at 0.5 meters peak volume
✴ DTMF tone generation
✴ Low-delay audio packet transmission
✴ Adaptive jitter buffers
✴ Noise filter
✴ Audio filter
✴ Supported codecs: G.711 (α-law, μ-law), G.721, G.722, G.726-32

Audio inputs/outputs

✴ 3.5 mm auxiliary audio input and output connectors (on wireless base unit)

SIP Telephone Features

✴ Make call, answer call
✴ Call hold, call resume
✴ Call transfer (blind and supervised)
✴ Call forward
✴ Do not disturb
✴ Two call appearances, allowing for local three-way conference (join conference, split conference, hold conference, resume conference)
✴ Missed call notification
✴ Voice mail notification (switch configured)
✴ Speed dial
✴ Redial capabilities
✴ Support for caller ID

Additional Features

✴ User configurable local phonebook
✴ Call display
✴ Date and time display

✴ Selectable ring tones
✴ Unicode UTF-8 character support

Dialer Display and Keypad

✴ Sleek 2-inch diagonal color display, 176 x 220 pixels
✴ 12-key telephone keypad
✴ Two context-dependent soft keys
✴ 5-key cursor control keys
✴ Make call / end call

Localization

✴ Multi-Language Support: English, French, German, Spanish, Portuguese, Italian

Security Features

✴ SRTP support
✴ Password-protected login

Network interfaces & Features

✴ DHCP or static IP
✴ Web portal for individual unit configuration
✴ Configuration import / export
✴ Reset to factory settings
✴ QoS support – IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS and DSCP
✴ Network Address Translation (NAT) support
✴ Status and statistics

Protocol Support

✴ IETF SIP (RFC 3261 and accompanying RFCs)
✴ RTCP support (RFC 1889)

Ports

✴ Wireless Base Unit:
  • Ethernet 10/100 Base-T (RJ 45)
  • Two mini-USB ports for firmware upgrades
✴ Charger Tray:
  • Power connector
  • USB port for firmware updates

Power

✴ Wireless base unit
  • IEEE 802.3af Power over Ethernet (PoE)
✴ Charger tray
  • 100-240V 0.8A input, 12-15V 18W output (universal AC power adaptor)

Physical

✴ Speaker: 157 x 93 mm diameter
✴ Microphones: 94.2 x 24.6 x 18.5 mm (omnidirectional microphone)
✴ Handset: 125 x 48 x 11 mm
✴ Charger Tray: 170 diameter x 22 mm
✴ Wireless Base Unit: 180 x 153 x 32 mm
✴ 1.280 kg

Operating Conditions

✴ Operating temperature: 32°-104° F (0° - 40° C)
✴ Relative humidity: 20% - 80% non-condensing

Regulatory

✴ EMC
  • FCC Part 15 B, C, and D
  • ICES-003
  • IC-RSS 213
  • IC-RSS 210
  • EN 55022
  • EN 55024
  • EN 301 489-1, -3, and -6
  • EN 300 328
  • EN 301 406
  • C-Tick
    > AS CISPR 22
    > AS/NZS 4268
✴ Safety
  • CE Mark -EN 60950
  • IEC 60950
  • UL 60950
  • CSA C22.2 No 60950
  • AS/NZ 60950
✴ Telecom
  • FCC Part 68
  • A Tick
    > AS/ACIF S002
  • Environment
    > RoHS compliant

Part Numbers

✴ Conference Phone
  • 80C00009AAA-A – DECT 6.0 for North America and South America
  • 80C00012AAA-A – DECT ETSI ETS 300 175 for Europe, Asia, Australia & Africa
✴ Optional Accessories
  • 87-00061AAA-A – USB connector kit: allows integration with PC applications
  • 87-00051AAA-A – Lapel (wearable) microphone: allows mobility for presenters
  • 87-00053AAA-A – Speaker: An additional speaker is ideal for large conference rooms
  • 87-00054AAA-A – Charger Tray: Charging tray for speaker and microphones

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