

# Sangoma SS7 Media Gateway

Product Name: Sangoma SS7 Media Gateway

Manufacturer: Sangoma

Model Number: -

**Availability:** In Stock Sangoma SS7 Media Gateway is a scalable, cost-effective solution that fully integrates with open-source software telephony engines like Asterisk®, while providing the reliability of an embedded proprietary SS7 stack. Sangoma's SS7 Media Gateway is the lowest-priced, stable, production-ready solution on the market. It runs on Sangoma's premium telephony hardware, which has a reputation for superior voice quality. The Sangoma SS7 Media Gateway solution: an incredible value for the money.

- Scalable
- Mixed-Source Solution: Open-Source based with the reliability of a proprietary, tested SS7 stack
- Fully integrates with Asterisk® Telephony Engine for unrivaled flexibility
- Reliable, proprietary SS7 Stack
- High-quality, low-priced, stable, production-ready solution

**What problems does it solve?** The Sangoma SS7 Media Gateway empowers Sangoma's premium line of telephony cards to act as a VoIP to SS7 Gateway. It enables SS7 signals to communicate with protocols like SIP, IAX, H.323 and SIP/T.38. The Sangoma SS7 Media Gateway also acts as an SS7 to ISDN Converter to convert PRI or BRI to SS7 for PSTN access and enables an SS7 IVR to be built on top of SS7 TDM Lines. Sangoma SS7 is a:

- VoIP to SS7 Gateway (So an SS7 link can talk to your VoIP system)
- SS7 to ISDN Converter (So SS7 links can communicate with PRI or BRI for PSTN Access)
- SS7 IVR

**When might one consider moving to Sangoma's SS7 Media Gateway Solution?** In short, usually, your customers will tell you. SS7 Media Gateway is a professional solution for high-end applications. When your customers have outgrown their PRI solution, they may be considering an SS7 link to scale their business up to the next level. Sangoma SS7 Media Gateway is in use in small to mid-size Telcos and CLECs in countries around the world. In theory, a SS7 link can handle up to 7,000 simultaneous calls. The Sangoma SS7 Media Gateway can be purchased to work in a number of models:

- A single "box" model
- A dual "box" model
- A distributed model/clustering solution

**Single "Box" Model** The complete solution is installed in one server. This solution is appropriate in systems where transcoding is not required.

- One server of your choice that meets the minimum technical requirements
- Up to two Sangoma digital voice and data cards of your choice, PCI or PCIe as required. Hardware Echo Cancellation Option Recommended. Choose from: o A101 Series - Single Port T1/E1 o A102 Series - Two port T1/E1 o A104 Series - Four port T1/E1 o A108 Series - Eight port T1/E1 o A500 Series - Scalable two to twenty four port BRI
- Sangoma SS7 Media Gateway Software comprised of: o ss7box™ MTP3 (low level) call control o ss7boost-ISUP call control (Q.931), and o Sangoma Signaling and Media Gateway Daemon
- Asterisk®;

**Dual "Box" Model** Asterisk® is installed in one box and the rest of the solution is installed in another. This can accommodate up to 16 E1 lines and transcoding because the telephony engine

(Asterisk® or CallWeaver™) is running on a separate machine.

- Two servers of your choice that meets the minimum technical requirements
  - Up to two Sangoma digital voice and data cards of your choice, PCI or PCIe as required.
- Hardware Echo Cancellation Option Recommended. Choose from: o A101 Series - Single Port T1/E1 o A102 Series - Two port T1/E1 o A104 Series - Four port T1/E1 o A108 Series - Eight port T1/E1 o A500 Series - Scalable two to twenty four port BRI

**Distributed Model / Clustering Solution** Although all solutions can be upgraded to this model, this solution is recommended for the ultimate in scalability when the ability to scale is a known requirement at the initial install. In this solution, the Sangoma SS7 Media Gateway Software is divided between two separate servers with Asterisk®; running on a third server.

- Server A: Asterisk®; or similar telephony engine
- Server B: Sangoma Media Gateway Daemon + ss7boost Call Control + Sangoma Hardware
- Server C: ss7box™
- Sangoma SS7 Media Gateway Software comprised of: o ss7box™ MTP3 (low level) call control o ss7boost-ISUP call control (Q.931), and o Sangoma Signaling and Media Gateway Daemon
- Asterisk®;

**Please Enquire**

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