

Sangoma D150-BOX-240 Voice Transcoding Card with Boxed Enclosure (Up to 240 Sessions)



Product Name: Sangoma D150-BOX-240 Voice Transcoding Card with Boxed Enclosure (Up to 240 Sessions)

Manufacturer: Sangoma

Model Number: D150-BOX240

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The latest offering from our transcoding cards family adds more deployment options for the embedded markets, where host-based processing is restricted and the small form-factor of appliances limits the addition of PCI cards. Sangoma D150-BOX-240 Key Features

- 30 to 400 transcoding sessions
- Works on Asterisk® and FreeSWITCH®;
- Compact 2U Form-Factor, Stand-Alone Boxed Enclosure or PCI Mezzanine Card Option
- RJ45 Ethernet Interface

Most IP telephony applications require the use of multiple types of voice codecs, which are used to digitally compress voice signals, to save on bandwidth requirements. While voice signals from the Public Switched Telephone Network (PSTN) always come in the form of the G.711 codec, the VoIP terminal equipment and networks support a variety of different voice codecs including such as G.729, G.726, AMR, G.722, iLBC, etc. VoIP infrastructure most often needs to include the capability to mediate between endpoints supporting different codecs, yet this functionality often requires digital signal processing tasks that are often costly, resource-intensive and can affect the quality of the voice signals if it introduces too much latency and delay. The D150 card allows to convert numerous simultaneous channels of transcoding from one type of codec (e.g. G.711) to another (e.g. G.729), without affecting latency or using up precious host CPU resources. The card allows running up to 30, 60, 120, 240 or 400 channels of any-to-any voice codec conversion, with unmatched quality. All codecs are fully indemnified; no additional licensing is required for their use.

Sangoma D150-BOX-240 - Technical Specifications
Highlights

- 30 to 400 Transcoding Sessions
- Integrates in Asterisk® and FreeSWITCH®;
- Compact 2U Form-Factor, Stand-Alone Boxed Enclosure or PCI Mezzanine Card Option
- RJ45 Ethernet Interface

Codec Support

- G.711
- G.722
- G.722.1 (HD Voice)
- G.726
- G.729AB
- GSM-FR
- GMS-EFR
- AMR
- AMR-WB (G.722.2)
- iLBC

Sample Applications:

- Call Centers and Remote Agent Pools

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- 1/2 Hosted iPBX / IP Centrex
- 1/2 Distributed PBX
- 1/2 IP Network Peering
- 1/2 SIP Trunking
- 1/2 VoIP Gateways

The D150 is available in 3 form factors:
D150-ETH

• 1/2 The Ethernet card (ETH) has an Ethernet port and is installed inside a computer server, it acquires its power from the power supply

D150-BOX

• 1/2 The boxed enclosure (BOX) is an Ethernet card with a metal enclosure and an external power supply. These enclosures can be stacked up to 14 instances on a single 19 inch rack mount

D150-PMC

• 1/2 The Mezzanine Card (PMC) allows hardware manufacturers to integrate the D150 transcoding solution via the PMC standard (IEEE 1386)

Software

- 1/2 Support for Asterisk and FreeSWITCH
- 1/2 Transcoding API in C
- 1/2 Media flows in and out of Ethernet ports
- 1/2 Codecs supported: G.711, G.722, G.722.1, G.726, G.729AB, GSM-FR, GSM-EFR, AMR, AMR-WB (G.722.2), iLBC

Dimensions

- 1/2 D150-ETH: 133.3mm x 58.4mm
- 1/2 Compact factor for use in restricted chassis
- 1/2 Includes low profile bracket for installation in 2U chassis
- 1/2 D150-BOX: 139mm x 70mm x 29mm
- 1/2 D150-PMC: 149mm x 74mm

Operating Systems

- 1/2 Windows®
- 1/2 Linux (all versions, releases and distributions from 1.0 up)

Certifications

- 1/2 Emissions: FCC Part 15 Class A, CISPR 22, CISPR 24, EN 55022 (pending)

Power

- 1/2 D150-ETH: 2A @ 5V (10W) via molex cable
- 1/2 D150-BOX: 2A @ 5V (10W) via external power supply
- 1/2 D150-PMC: 2A @ 5V (10W) via PCI interface

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Temperature

• Temperature range: 0–50°C

Network Interfaces

• Ethernet Port: 100Mbps

Production Quality

• ISO 9002

Warranty

• 30-day "no questions asked" return policy

• D-Series hardware comes with a standard 5-year warranty with product registration when purchased through an authorized Empowered by Sangoma representative

Price: £1,298.20
