B601
HYBRID VOICE CARD
T1/E1/J1 + 4 FXO + 1 FXS
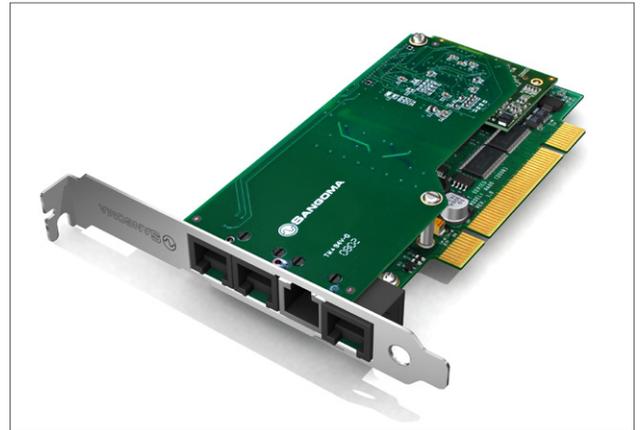
Introducing the Sangoma B-Series — now even cost-conscious customers can opt for Sangoma's premium audio and engineering quality by choosing the voice card designed specifically for smaller-budget installations.

For small, stable systems, when the modular design, single-slot expansion and port-customization power of Sangoma's A100, A200 and A400 series is not required.

The Sangoma B601 voice cards deliver customers a substantial cost savings by integrating on a single PCI or PCI Express slot both digital and analog interfaces. This, coupled with the "Because it must work" quality and the Wanpipe® high-end system diagnostics, drivers, and utilities for which Sangoma is known worldwide.

Your customers can achieve optimum echo-cancelled voice quality and enhancement with telco-grade DSP Hardware Echo Cancellation. One DSP echo canceller on the B601D or B601DE voice card provides telco-grade hardware echo cancellation on all channels with no additional CPU load and minimal additional cost.

B601 PCI shown.

TECHNICAL SPECIFICATIONS

- 1 port of T1/E1/J1

- 4 ports of FXO and 1 Port of FXS

- Support for Asterisk®, FreeSWITCH™, Yate™, and PBX/IVR projects, as well as other Open Source and proprietary PBX, switch, IVR, and VoIP gateway applications

- Single synchronous PCI interface for all ports

- Dimensions: 2U Form factor (140 mm x 55 mm) for use in restricted chassis

- Includes both standard and short half-height compatible mounting clips for installation in 2U rack-mount servers

- 32-bit bus master DMA data exchanges across PCI interface at 132 Mbytes/sec for minimum host processor intervention

- Autosense compatibility with 5 V and 3.3 V PCI busses

- Fully PCI 2.2 compliant, compatible with all commercially available motherboards, and shares PCI interrupts

- Power: 3.6 W (0.3 A @ 12 V) and 1.65 W (0.5 A @ 3.3 V)

- Temperature range: 0 – 50 °C

- Cables are included

- Single FXS Port designed for optimum fax support

DSP Echo Canceller

- G.168-2002 echo cancellation in the hardware

- 1024 taps/128 ms tail per channel on all channel densities

- DTMF decoding and tone recognition

- Voice quality enhancement: music protection, acoustic echo control and adaptive noise reduction

- No CPU load as a result of echo cancellation

- No additional slot is required

Operating Systems

- Linux

- Windows®

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SANGOMA

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Certifications

- FCC Part 15 Class A, and EN 55022/24 Class A

Diagnostic Tool

- WANPIPEMON®, System logs

Cabling Overview

- B601 incorporates the 8-pin RJ45 and 4-pin RJ11/6 standard jacks

- For pinouts, go to wiki.sangoma.com

Production Quality

- ISO 9002

Warranty

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

- 30-day "no questions asked" return policy

ORDERING INFORMATION

Cables are included at no additional charge.

SKU	BUS	Digital Signal Processor	Cables
B601D	PCI	Hardware Echo Canceller	1 Standard RJ45 T1/E1 1 Standard RJ11 2 Standard RJ11 Y-Cable Port Splitters
B601DE	PCIe	Hardware Echo Canceller	(Same as above)

For more information on how to order, call toll free in North America **1 800 388 2475**, direct at **+1 905 474 1990** or email **sales@sangoma.com**.

To become an authorized Empowered by Sangoma channel partner, please visit **http://partners.sangoma.com/apply**.

To purchase now, contact an Empowered by Sangoma Distributor, Reseller, or Solution Partner near you.

Look for the Empowered by Sangoma Logo.

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