

# Sangoma Telephony Board

## W400 GSM Board

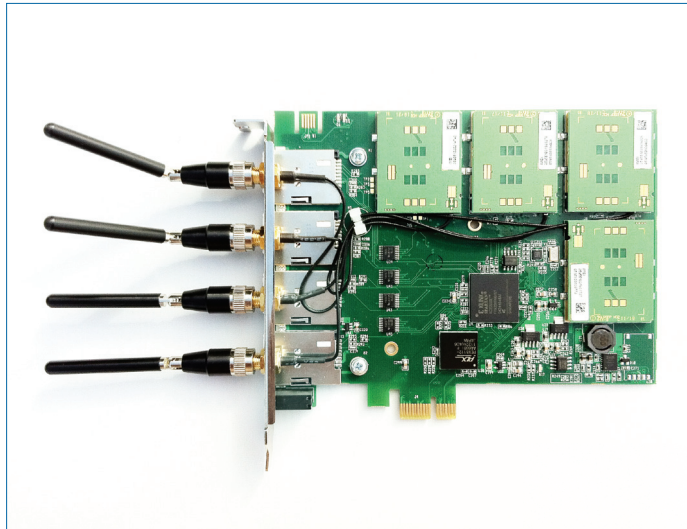
*GSM Telephony Board for Voice and SMS*

Introducing Sangoma's latest addition to the computer telephony board portfolio – the W400 board adds GSM voice connectivity and SMS capabilities to IP-PBX applications.

IP-PBX users will be able to reach mobile phone users on the cellular network, established as mobile-to-mobile calls. Assign PBX extensions and forward calls to mobile devices, which will greatly reduce operating costs.

The W400 also offers the possibility to send SMS messages over the GSM network, enhancing the IP-PBX to act as an SMS gateway. For added flexibility, SMS messages can be sent while a voice conversation is active on the GSM port.

The W400 has a unique design that allows access to SIM cards directly from the front of the board. This added flexibility removes the need to open up computer systems to access SIM cards.



W400-004E

### Technical Specifications

- Quad-band EGSM 850/900/1800/1900 Mhz for worldwide GSM compatibility and deployments
- 1 to 4 GSM ports/modules per card
- Modular capacity (Expandable)
- 1 SIM card per GSM channel
- GSM protocol stack for voice and SMS
- SMS in text and PDU mode with decoding of Mobile Service Center (MSC)
- GSM supplementary services (CLIP, CLIR, USSD)
- Hardware echo cancellation and noise suppression
- Hardware DTMF detection
- Automatic codec negotiation
- Fully PCI Express compliant, compatible with all commercially available motherboards, proper sharing of PCI interrupts
- Software field upgrades: driver and firmware
- GSM support will be integrated in the Wanpipe suite of drivers
- Built-in Asterisk® Manager Interface support
- Works with Asterisk DAHDI driver
- Support for Asterisk-1.6, Asterisk-1.8 and Asterisk-10

#### Applications

- GSM mobile connectivity for IP-PBX extensions
- GSM VoIP gateway
- SMS gateway

#### Power

- 1.5W for the base + 1.5W per module installed
- Temperature range: 0 - 50°C

#### Dimensions

- 137mm x 111.15mm

#### Operating Systems

- Linux 2.6+

### Production Quality

- ISO 9002

### Certifications

- EMC CISPR 22/EN55022 & CISPR 24/EN55024
- On-going safety (future)

### Warranty

- 5-year parts and labour
- 30-day “no-questions-asked” return policy

## Ordering Information

SKU	Item Description
W400-001E	Sangoma GSM board with 1 GSM Module
W400-002E	Sangoma GSM board with 2 GSM Module
W400-003E	Sangoma GSM board with 3 GSM Module
W400-004E	Sangoma GSM board with 4 GSM Module
W400-UPG-001	Field Upgrade Kit containing 1 Module, 1 RF cable and 1 antenna
CABL-647	RF Cable
SPEC-GSA8821	Flexible Antenna
SPEC-TG090113	Rigid Antenna



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

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