

# VST-1908 Converter Series

## Seamlessly Integrating PSTN Alarms into IP/Cellular Networks

The VST-1908 Converter Series is designed to create a bridge between PSTN control panels and IP/cellular networks in a security industry rapidly migrating from traditional landline home phone service to IP/cellular communications.



### How the VST-1908 Works



#### Compatible with All PSTN Panels Using Contact ID

- Adapts any PSTN alarm panel using the Contact ID protocol for IP- or cellular-based central stations
- Converts PSTN CID reports into the SIA protocol and CID over GPRS
- Converts PSTN CID reports into DTMF CID over GSM/3G

#### Two-Way Voice

- Forwards voice message reports from the host PSTN panel to the central station
- Provides a virtual voice channel to preserve the existing two-way communication between the host PSTN panel and the central station

#### Money-Saving Benefits

- Quick and easy installation
- No need to replace or dismantle the host PSTN system
- No more landline bills for the end user
- With the VST-1908's capability to convert PSTN CID reports into DTMF CID, the CMS can readily deploy the converter without further investment

#### Easy Programming

You can configure the VST-1908 via simple web or SMS programming. The firmware update capability allows the converter to acquire new features and enhance performance.

#### ARS Software

The VST-1908 can work with the Alarm Receiving Software (ARS) for the central station to receive readily converted data.

#### RMR Protection

The VST-1908 protects RMR (recurring monthly revenue) by bringing IP/cellular technologies to existing PSTN alarms and by supporting services that customers value, such as two-way voice.

## VST-1908 Converter Series Model Comparison Chart

Note: The cased models include wall-mounted and desktop versions. Please specify the model when placing orders.



Features	VST-1908-M3 BC (cased models)	VST-1908-M3/ VST-1908-M3 EX (bare board models)	VST-1908-M8 BC (cased models)	VST-1908-M8/ VST-1908-M8 EX (bare board models)
Communications paths	GSM/3G	GSM/3G	IP + GSM/3G	IP + GSM/3G
Converts PSTN CID reports into the SIA protocol and CID over IP/GPRS	•	•	•	•
Converts PSTN CID reports into DTMF CID over GSM/3G	•	•	•	•
Forwards PSTN voice message reports over GSM/3G	•	•	•	•
Compatible with any PSTN alarm using the CID protocol	•	•	•	•
Compatible with the Alarm Receiving Software (ARS) for the central station to receive reported events from the converter	•	•	•	•
Supports two-way voice	•	•	•	•
Web programming/browser support	•	•	•	•
SMS programming	•	•	•	•
External antenna port		VST-1908-M3 EX only		VST-1908-M8 EX only
Remote firmware update capability	•	•	•	•
Protected access allows only valid users to configure the system	•	•	•	•
Six IP addresses for alarm reporting	•	•	•	•
LED indicator displaying GSM/3G registration status	•	•	•	•
Rechargeable batteries included	•		•	
Plug and play installation	•	•	•	•
Compliant with CE, FCC, ETL and PTCRB requirements	•	•	•	•

### Specifications

- Alarm dialer interface: Two wire interface via RJ11 socket  
Tip and ring voltage toward the host panel about 48V
- Ethernet interface: 10Mbps and 100Mbps (10/100Base T) with auto-negotiation  
UTP with standard RJ45 socket
- GSM frequency bands: Quad band GSM 850/900/1800/1900MHz  
3G frequency bands: 2100/1900/1800/1700/850/800/2600/900MHz (3G bands vary depending on regions/countries)
- Power supply: Powered from the host panel (12V DC) or 12V 1A DC adaptor
- Backup power: Rechargeable 7.2V AAA Ni-MH battery pack (cased models only)
- Operating temperature: -10°C to +45°C
- Operating humidity: Up to 85% non-condensing
- Dimensions: 120 mm x 90 mm (bare board)  
130 mm x 157.4 mm x 45 mm (desktop version)  
186.3 mm x 130 mm x 30.3 mm (wall-mounted version)