



GSM Gateway

### The GSM Gateway from Trans Data Management

The GSM gateway is a Multimedia Gateway that connects TDM's GSM Help Points (WAM-GSX) to TDM's emergency call and information system, the NIS. The GSM gateway effortlessly converts mobile communication to wired communication (GSM to VoIP conversion) and also handles SMS messaging from GSM devices, converting to email messaging for ease of transmission.

TDM's NIS system is able to manage GSM devices and monitor and receive status and error messages from Help Points. The primary configuration settings of GSM devices can be updated using the NIS management tools. The call data and statistics are presented in the NIS system monitoring or, where required, can be forwarded to a higher-level management system (via CTI, OPC, SNMP).

The GSM gateway can also be used to connect to the PSTN system of NIS, for example, as a converter for VoIP terminals connected to the NIS for onward connectivity to public telephone networks.

#### Functions

- Connection to NIS ComNode
- Supports VoIP
- Up to 4 channels per gateway
- A different GSM provider can be used for each channel

## SPECIFICATIONS: GSM Gateway

Dimensions (H X W X D)	19" 1U (430 x 223 x 45 mm)
Weight	3 kg
Interfaces	LAN 10/100 Base-T, RJ45, RS232, SIM
Temperature	Operation: 0°C – +50°C Storage -20°C – +70°C
Relative Humidity	Operation: 10 – 90 %, non-condensing
Input Power	110 – 240 VAC, 50 – 60 Hz
Input	Max. 15W / channel
GSM Specification	Frequency Bands: GSM 850/900/1800/1900 MHz -107dBm (typical: -80 – 50 dBm)
Antenna Connection	- Typ 2x SMA (w) 4x SMA (w) - Impedance 50 Ω
Audio Codecs	G.711 PCM, (selectable)
Approvals	CE, FCC, RoHS
Safety	EN 60950-1
EMC	EN 55022, class A EN 55024 EN 61000-3-2 / -3
References	GSM-Gateway, 2-Channel (without SIM card) 218601-00301  GSM-Gateway, 4-Channel (without SIM card) 218601-00302

### Trans Data Management Ltd

12 Raleigh Court, Priestley Way, RH10 9PD, UK  
Tel (+44) 0 1293 516 691  
Fax (+44) 0 870 458 0586  
info@trans-data.com

### Trans Data Management AG

Freiburgstrasse 251, CH 3018 Bern, Schweiz  
Tel (+41) 31 566 55 55  
Fax (+41) 31 566 55 66  
info@trans-data.com

Although the information in this publication is represented in good faith and believed to be correct, TRANS DATA MANAGEMENT (TDM) makes no representations or warranties as to the completeness or accuracy of the information. In no event will TDM be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained in this document. Such information is subject to change without notice. The graphics and contents of this document are the copyrighted work of TDM and contain proprietary trademarks and trade names of TDM.

10.2013 © Trans Data Management