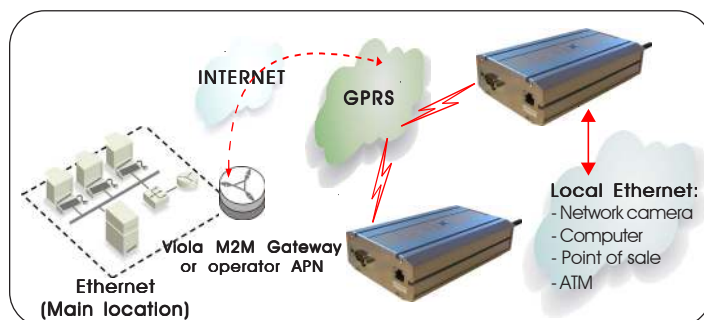# VIOLA systems

Arctic GPRS Router

Connect Ethernet Devices to GPRS Network with Arctic GPRS Router

Expand Your Ethernet Wirelessly

Expand your Ethernet over GPRS network and integrate your remote locations and mobile vehicles as a part of your local network with Arctic GPRS Router.

No distance limitations! Global systems are possible if GSM/GPRS network is available.

Secure and two-way communication (static IP addresses) provided with Viola M2M Gateway (operator independent) or with operator APN.

Key Features

- Industrial grade GPRS router
- Expands Ethernet devices over GPRS network
- Easy and quick to install
- Firewall and VPN for secure communication
- 10/100 Base-T Ethernet connection
- Mobile operator independent static IP addressing with Viola M2M Gateway

Application Examples

- Connect Ethernet devices to GPRS network
- Provide Internet access to locations without fixed connections and to mobile vehicles
- Surveillance systems
- Trucks, fork lifts, cranes
- Security systems
- Credit card verifications, POS, ATM

Hardware

Processor Environment
32 bit RISC processor
8 MB FLASH memory
32 MB SDRAM memory

Power
6 – 26 VDC nominal input voltage
1 – 5 W power consumption
Resettable fuse and ESD protection

Other
Temperature sensor, real time clock

Environment
Temperature ranges:
 −20 to +55 °C
 −30 to +85 °C (storage)
 Humidity 5 to 85 % RH

Approvals
CE

Network Interfaces

Ethernet
10/100 Base-T. Shielded RJ-45
1,5 kV isolation transformer
Ethernet IEEE 802-3, 802-2

GPRS
Internal module and SIM card socket
Compliant to GSM phase 2/2+

FME external antenna connector (50 Ω)
(Stub antenna included)
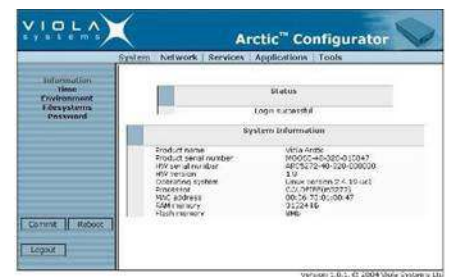Dual-band EGSM 900(2W) and GSM 1800
GPRS
 GPRS multi-slot class 10
 GPRS mobile station class B
 Max. 85.6 kbps GPRS downlink speed
 Max. 21.4 kbps GPRS uplink speed
 Coding schemes CS1, CS2, CS3, CS4

Serial Console

RS-232, 19200 bps, 8 data bits,
1 stop bit, no parity (8N1)

Configuration and Management

The Arctic GPRS Router is configured using a www browser. A conventional console interface is also provided. The software of Arctic GPRS Router can be updated over the network.

Software

Network Protocols
PPP, IP, ICMP, UDP, TCP, ARP,
DNS, DHCP, FTP, TFTP,
HTTP, SNMP, POP3, SMTP

Tunneling (VPN)
SSHv2 server and client
SSHv1 server and client

Management
WWW, SSH, Telnet and console
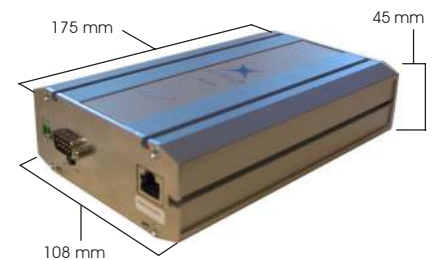FTP, TFTP and HTTP software update

Routing Related
Static routing, proxy ARP, port forwarding,
IP masquerading/NAT, firewall

GPRS
Automatic, manual or constant GPRS
connection management

Dimensions

175 mm   45 mm   108 mm

Ordering Information
Arctic GPRS Router - 2270

Options
Accessory kit
Rooflex antenna with 2,5 m cable
Power supply 100/240VAC-12VDC
DIN rail mounting kit
Magnetic antenna with 2,5 m cable

Ordering Address
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Lemminkäisenkatu 14 - 18 B
FIN-20520 Turku, Finland
Phone   + 358 (0)20 1226 226
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