



Arctic 3G Gateway



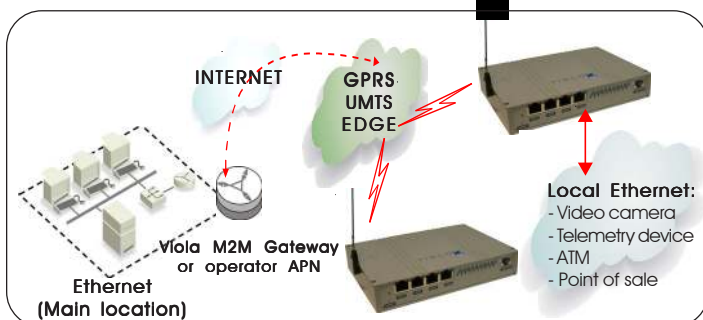
Connect Ethernet and Serial Devices to Wireless Broadband with Arctic 3G Gateway

High Speed Wireless Gateway

Expand your Ethernet over high speed wireless networks and integrate your remote locations as a part of your internal network with Arctic 3G Gateway. At the remote location both Ethernet and serial devices can be connected with one Arctic 3G Gateway unit to your central site.

No distance limitations! Global systems are possible with the most common wireless networks (UMTS/EDGE/GPRS/GSM) in the world.

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



Key Features

- Industrial grade HSDPA/UMTS Router
- Expands your Ethernet over wireless networks
- The fastest network available is automatically selected
- Quad-band EDGE/GPRS: Can be used in every GSM network worldwide (Europe, Asia, USA)
- Firewall and VPN for secure communication
- Easy and quick to install
- 1 x WAN and 3 x LAN
- 1 x RS232 and 1 x RS485/422/485
- Mobile operator independent static IP addressing with Viola M2M Gateway
- Robust aluminum casing

Application Examples

- Expand your Ethernet wirelessly to remote locations with the possibility to monitor or control also serial devices
- Video surveillance systems with serial communication camera control
- Industrial applications with fast response time requirements
- Wireless broadband as a back up for ADSL

Hardware

Processor Environment

32 bit RISC processor
32 MB FLASH memory
64 MB SDRAM memory

Power

12 VDC nominal input voltage
1 – 5 W power consumption

Network Interfaces

Ethernet

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

HSDPA/UMTS/EDGE/GPRS/GSM

- 2100 MHz UMTS, power class 3 (+24 dBm)
- 850/900/1800/1900 MHz GSM
- EDGE E2 power
- PCS/DCS power class 1
- GSM power class
- Mini-SMA antenna connector

Other

Temperature sensor, real time clock

Environment

Temperature ranges:
-20 to +70 °C
Humidity 5 to 85 % RH

Approvals

CE

Serial Ports

Serial port 1

RS-232 DTE, male DB-9 connector
Speed 300 - 460 800 bps
Data bits - 7 or 8, stop bits - 1 or 2
Parity - none, even, odd
Flow control - none, RTS/CTS

Serial port 2

RS-232 DTE, RS-422, RS-485 (selectable)
Male DB-9 connector
Biasing and termination selectable
Speed 300 - 460 800 bps
Data bits - 7 or 8, stop bits - 1 or 2
Parity - none, even, odd
Flow control - none, RTS/CTS

Serial Console

RS-232 (RJ45), 115200 bps, 8 data bits, 1 stop bit, no parity (8N1)

Configuration and Management

The Arctic 3G Router is configured using a www browser. A conventional console interface is also provided. The software of Arctic 3G Router can be updated over the network.



Dimensions



Software

Network Protocols

PPP, IP, ICMP, UDP, TCP, ARP,
DNS, DHCP, FTP, TFTP,
HTTP

Tunneling (VPN)

OpenVPN client (for Viola M2M Gateway connection)

Management

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

Routing Related

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

HSDPA/UMTS/EDGE/GPRS

Automatic wireless connection
management and re-establishment

Ordering Information

Arctic 3G Gateway - 2620

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

Viola Systems Ltd.
Lemminkäisenkatu 14 - 18 B
FIN-20520 Turku, Finland
Phone + 358 (0)20 1226 226
Fax + 358 (0)20 1226 220

sales@violasystems.com

www.violasystems.com

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Lemminkäisenkatu 14 - 18 B, FIN-20520 Turku, Finland
Phone + 358 (0)20 1226 226, Fax + 358 (0)20 1226 220, www.violasystems.com

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