V I O L A
s y s t e m s

Viola M2M Gateway

Provide static IP addresses and secure communication to your Arctic devices

Connect your remote sites to your internal network

Viola M2M Gateway is an industrial quality server with pre-installed software for secure communication between central control room and remote sites with Arctic devices. With Viola's complete communication solution you are able to expand your Ethernet over wireless (LTE/3G/EDGE/GPRS) networks and integrate your remote locations as part of your local network with Viola M2M Gateway and Viola's Arctic products.

Viola's communication solution is mobile operator independent as only standard SIM cards are needed in Arctic devices. SIM cards from multiple operators can be used in a single system when required. This enables flexible and cost effective maintenance and modifications of the communication solution.

No distance limitations! Even global systems are possible when commercial wireless networks are available. Secure and two-way communication (VPN and static IP addresses) is provided with Viola M2M Gateway.

Viola M2M Gateway is connected to a fixed line internet connection by internet service provider. Viola M2M Gateway provides private and static IP addresses to Arctic devices. VPN tunnels are established and maintained between Viola M2M Gateway and Arctic devices.

There is no exact limitation for the number of Arctic devices to be connected to one Viola M2M Gateway, but it is especially designed for small and medium size systems. Recommended maximum number of Arctic devices to be connected is 250.

Remote sites can be seen as part of a company's internal network leading to seamless operation with locations using fixed line connections from the central control room personnel point of view.

Easy installation –graphical user interface used with an internet browser. ∎

SCADA

LTE/3G/ GPRS/EDGE

Internet

SECURE VPN TUNNEL   Static IP

Viola M2M Gateway
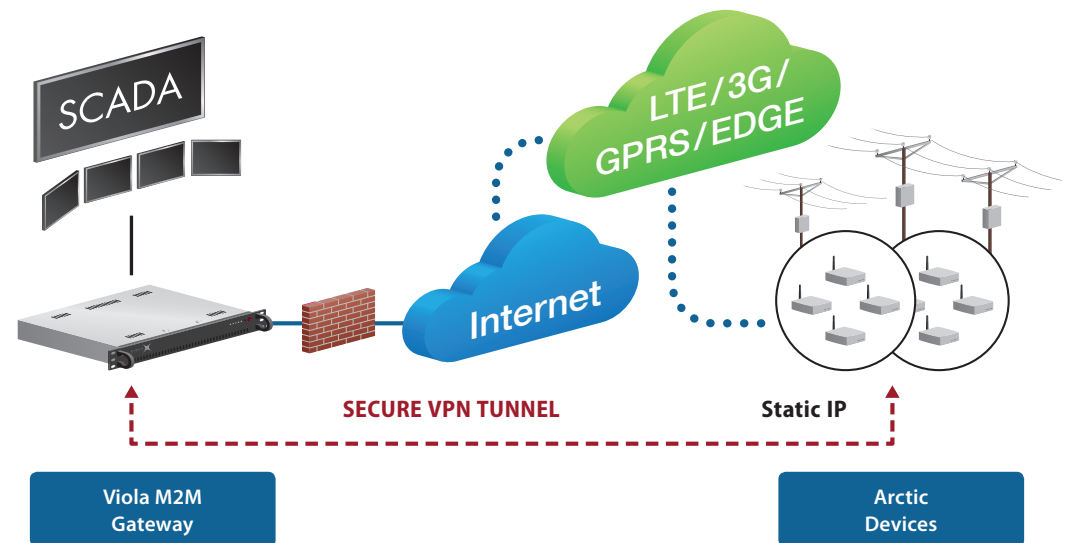
Arctic Devices

KEY FEATURES

- Industrial grade server for Arctic devices
- Expands Ethernet over wireless network
- Mobile operator independent static IP addressing for connected Arctic devices enabling two-way communication
- Easy and quick to install and configure
- VPN for secure communication
- Built-in Firewall
- Open VPN for remote management connection

SOFTWARE

Viola M2M Gateway includes a pre-installed specific software which enables VPN connection between company network and remote Arctic devices providing same time static IP addresses to Arctic devices.

HARDWARE

Processor Environment

- Core 2 Duo

Memory

- 1 GB RAM
- 250 GB hard drive

Power

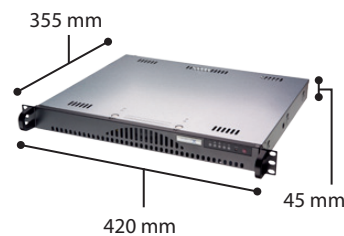- 100 – 240 VAC (5A max)

Casing

- Metal, 19" rack mountable

Environment

Temperature ranges:
0 to +45 °C
–20 to +45 °C (storage)
Humidity 10 to 90 % RH

Approvals

CE, FCC

NETWORK INTERFACES

Ethernet

- 2 x LAN
- 10/100 Base-T Shielded RJ45

ORDERING INFORMATION

Code	Product
2500	Viola M2M Gateway

OPTIONS

Code	Product

APPLICATION EXAMPLES

- Expand Ethernet over wireless (LTE/3G/EDGE/ GPRS) networks
- Provide Internet access to locations without fixed connections
- Electricity networks (Feeder Stations, Substations)
- Road weather stations
- Surveillance systems
- Trucks, fork lifts, cranes
- Security systems
- Credit card verifications, POS, ATM

CONFIGURATION & MANAGEMENT

Viola M2M Gateway is configured and managed by a secure https connection.

You can configure and view the status of the remote Arctics and configure the VPN connection between Viola M2M Gateway and an Arctic device.

DIMENSIONS

355 mm

45 mm

420 mm

NETWORK REQUIREMENTS AND WARRANTY

Network requirements for Viola M2M Gateway

- Reguires public and static IP address (provided by ISP)
- The device can be installed behind company firewall or in DMZ.

Warranty

- 3 years limited warranty

VIOLA
s y s t e m s

2012-06-29