



**Viola Patrol** 

**Traffic lights for remote devices monitoring**

# Viola Patrol

## Application for remote monitoring



### What

Viola Patrol is a graphical user interface (“traffic lights”) for monitoring remote device connections status.

### Where

The Patrol application can be used to quickly and easily to see the connection quality and status, or to locate the possible fault situations. Also, the longer-term actions can be viewed through the graphic curves in metric tables and automated alarms can be received directly to the email.

### How

No installation is required, the Patrol application is pre-installed in the Viola M2M Gateway and may be used through a standard web browser.

# Viola Patrol

## Application for remote monitoring



Viola Patrol is a graphical user interface (“traffic lights”) for monitoring and controlling of remote device connections.

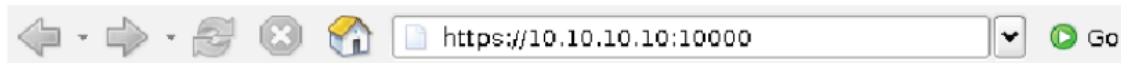
The Patrol can be used to quickly and easily to see the connection quality, or to locate the possible fault situations. Also, the longer-term actions can be viewed through the graphic metric tables and curves.

In brief, it indicates quickly if all connections are working and in safe.

No installation is required, the Patrol is pre-installed in Viola M2M Gateway and may be used through a web browser.

# Viola M2M Gateway – Home Page

## The Patrol - Entrance



1



Logout successful. Use the form below to login again.

**Login to Webmin**

You must enter a username and password to login to the Webmin server on 172.16.6.2.

**Username**

**Password**

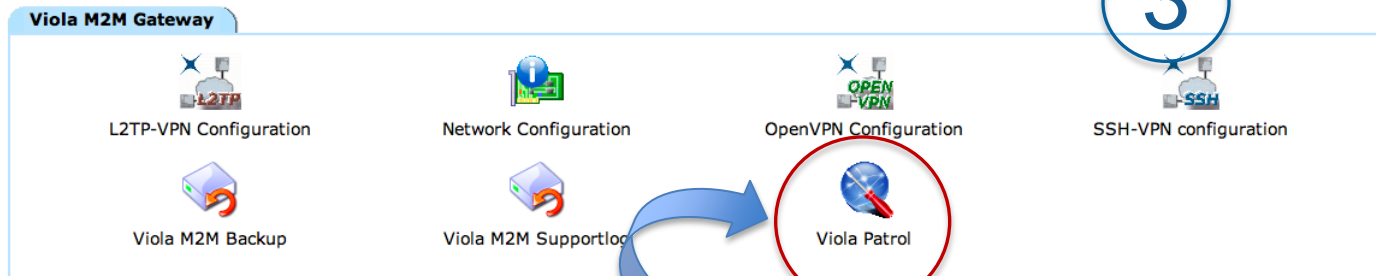
Remember login permanently?

username and password

2



3



 **Log out!**

Click the Patrol icon

# Viola Patrol – Live Status

Live status - page where all of the active Arctic devices can be seen and their status



**Viola Patrol**

Summary | **Live Status** | Statistics | Configuration

**Viola Patrol**

SUMMARY (total 1 Patrol clients):

- Errors: 0
- Warnings: 0
- OK: 1

Name filter:

Display filter: All

Page refresh: Off

**Enabled devices**

Status	Name	Serial Number	Firmware	Connection	Signal Level	Uptime	Last Patrol Connection	VPN Status	VPN RX	VPN TX	Actions
	HOST1	AUG8248-400-328-025132	2.4.3-patrol (build 3314)	Ethernet WAN	13 (weak) [sim1]	6 days	2 secs ago	Up 2 days			<a href="#">Disable</a> <a href="#">Remove</a>
	HOST2	Patrol client not installed						Up 47 mins	17.8 KiB	17.5 KiB	<a href="#">Web UI</a>
	HOST3	Patrol client not installed						Up 1 min	58 B	40 B	
	HOST4	Patrol client not installed						Up 47 mins	17.8 KiB	17.5 KiB	

Access to the device (Arctic) web UI -configuration changes and firmware updates

Log out!

# Viola Patrol – Summary

Overview = Number of active Arctic devices and signal levels

M2MGW Version: 3.3.2-updateinstaller – Local Time: 2013-04-15 21:44:42 +0600

Viola M2M Gateway System Networking Others VIOLA systems

### Viola Patrol

Overview | Devices | Details | Statistics | Configuration

**VPN**

L2TP-VPN	1 pcs	} VPN connections
OpenVPN	5 pcs	
SSH-VPN	97 pcs	

**Patrol**

Patrol clients	96 pcs	} The number of Patrol devices
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**Mobile network signal levels reported by Patrol clients**

Very good	20 pcs	} Summary of signal levels
Good	20 pcs	
Normal	40 pcs	
Weak	13 pcs	
Very weak	2 pcs	

Mobile WAN not in use	<a href="#">1 pcs</a>	} Signal level not reported
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# Viola Patrol – Summary

Overview = Number of active Arctic devices and signal levels

**Viola Patrol**

Overview | Devices | Details | Statistics | Configuration

**VPN**

L2TP-VPN	1 pcs	} VPN connections
OpenVPN	4 pcs	

**Patrol**

Patrol clients	3 pcs	} The number of Patrol devices
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**Mobile network signal levels reported by Patrol clients**

Very good	1 pcs	} Summary of signal levels
Good	0 pcs	
Normal	0 pcs	
Weak	0 pcs	
Very weak	0 pcs	
Signal level not reported	2 pcs	

# Viola Patrol – Configuration

## Setup window for traffic lights interval and connection lost alerts

Viola M2M Gateway System Networking Others Server local time 2013-01-13 12:16:13 +0200 VIOLA systems

### Viola Patrol

Summary | Live Status | Statistics | **Configuration**

#### Patrol configuration values

Device registration password:	r232f3f3	(default: )
Mail alert from address:	test.sender@example.com	(default: )
Mail alert to addresses:	test.receiver@example.com	(default: )
Mail alert minimum interval:	15 minutes	(default: 15 minutes)
Mail alert statuses:	errors,warnings	(default: errors)
Device interval until yellow:	1 hours	(default: )
Device interval until red:	2 hours	(default: )

[ edit ]

 **Log out!**



# Viola Patrol – Statistics

The longer-term actions can be viewed through the curves in graphic tables and automated alarms can be received directly to the email



## Viola Patrol

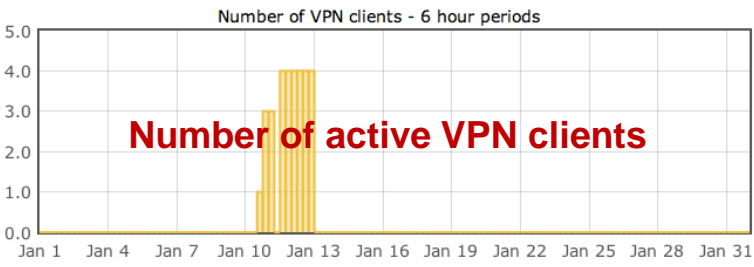
Summary | Live Status | **Statistics** | Configuration

Period length:  Year:  Month:  Day:  Hour:

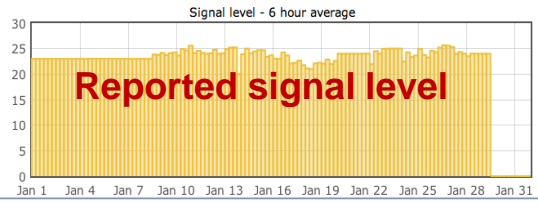
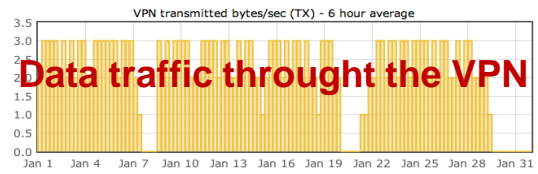
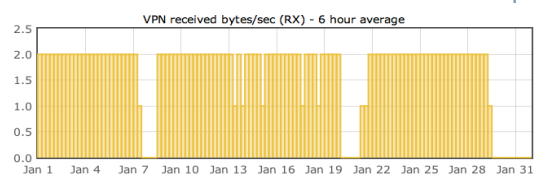
Month:  Day:  Hour:

Device:

Last VPN connection: 2013-01-13 01:20:19 SSH-VPN a1mikko



[Show API data](#)

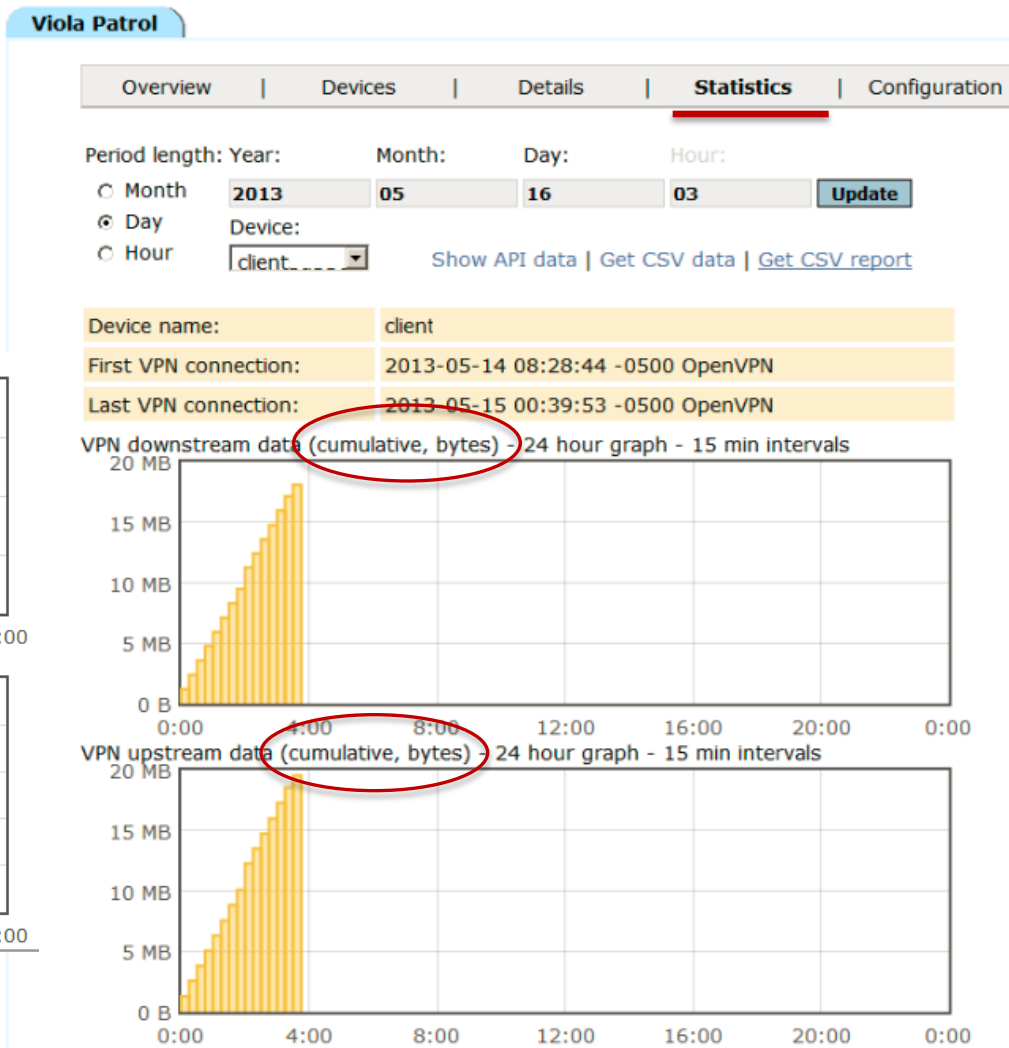
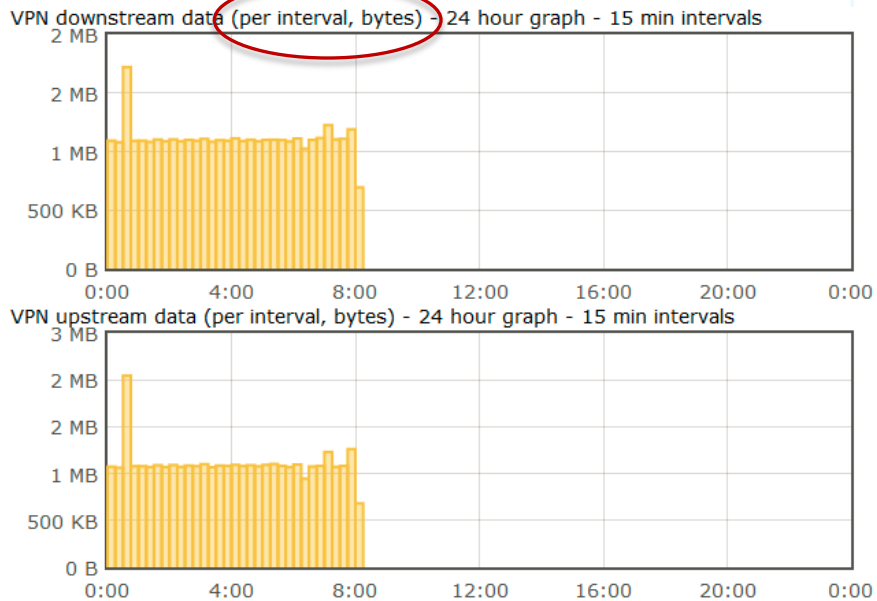


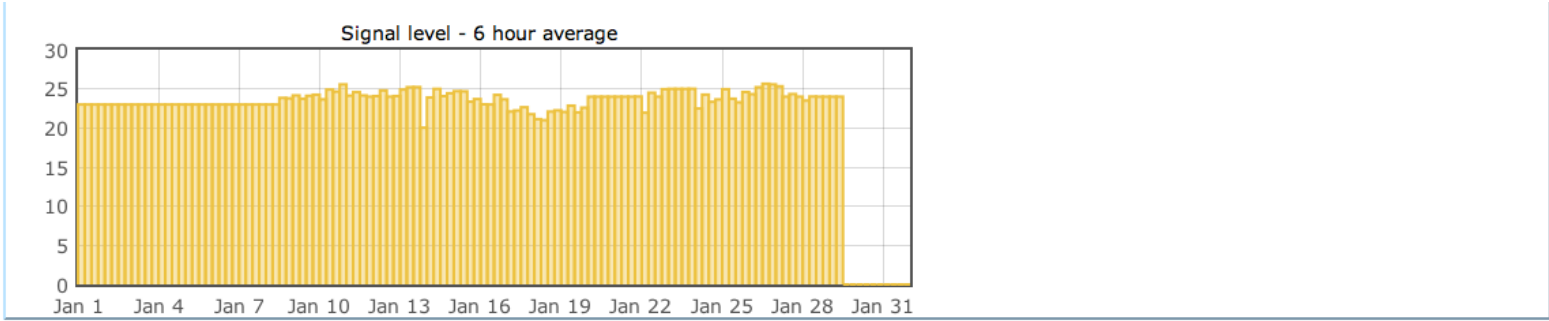
[Return to index](#)

[Log out!](#)

# Viola Patrol – Statistics

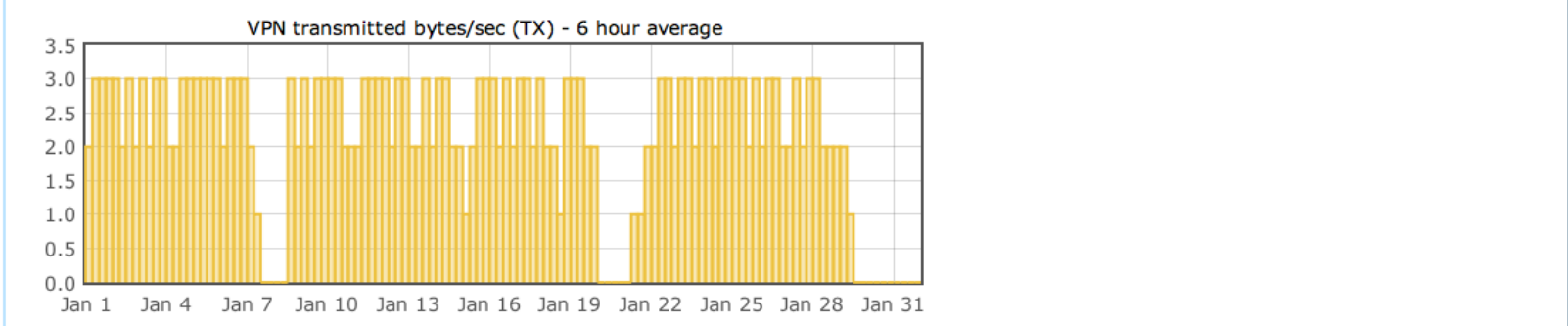
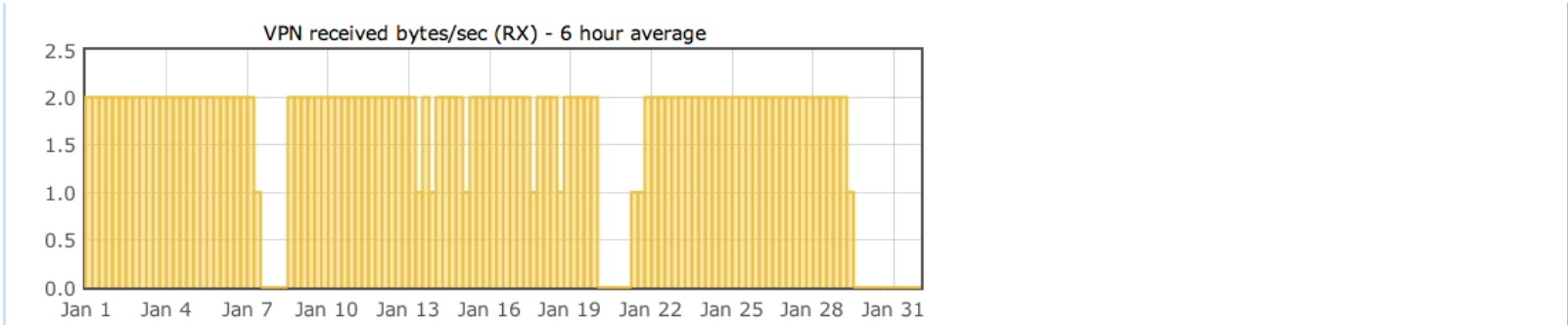
- Cumulative sum of the datastream through the VPN connection
- Datastream data per selected interval

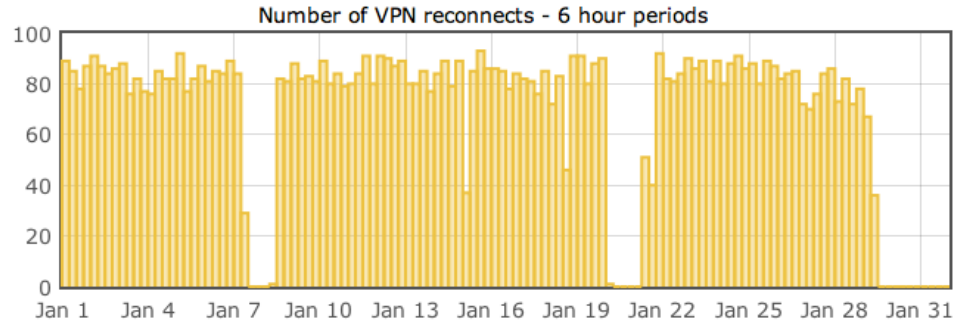
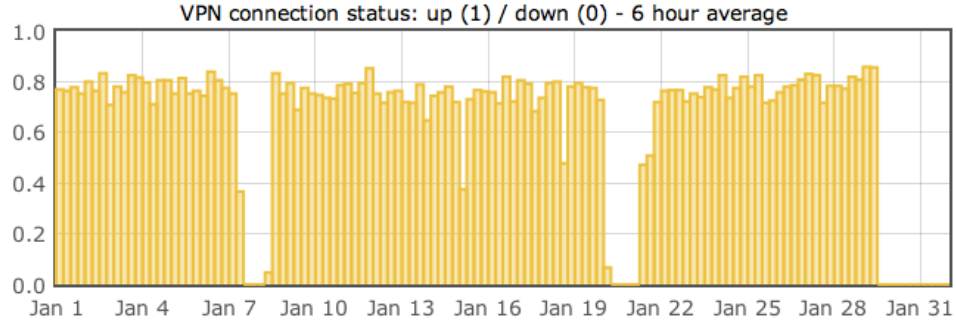




[Return to index](#)

[Log out!](#)





V I O L A  
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