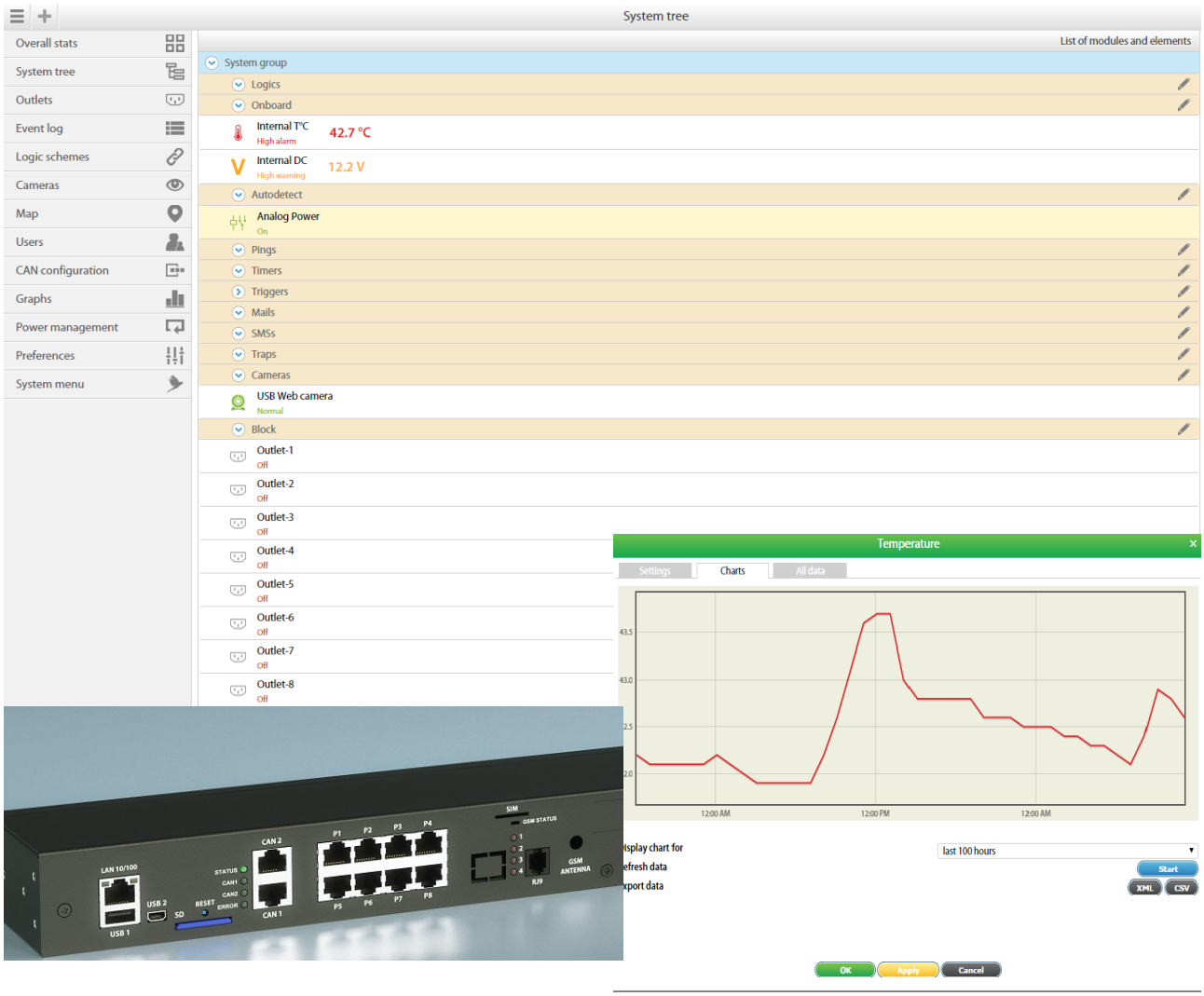
VUTLAN
Data center environmental monitoring

Monitoring Control



VT8101

Environmental monitoring of any facilities, control of security breaches, temperatures, smoke, water leakages, voltages and more.

Compatible with all VT or SC sensors, it provides a complete environmental, access control and security monitoring solution.

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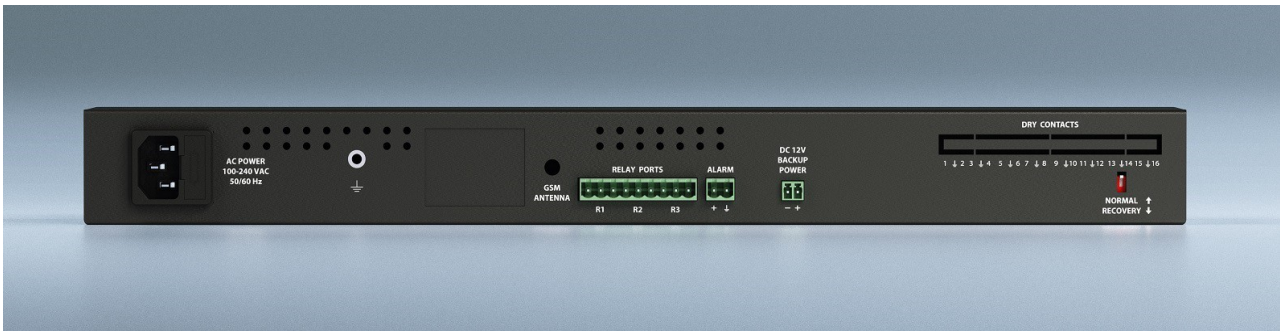
VT8101 Technical Data

VT8101 has a Linux Operating System running an iMX257 CPU. An additional up to 32 GB SD card can be installed to provide greater storage capacity. It is TCP / IP compliant and runs lighttpd web server including HTTPS (SSL), SMTP, DHCP, SNMP, FTP, Syslog, LDAP, Radius. It has multilanguage GUI interface for alerts configuration and data collection, that written on HTML5.
All SNMP functions including SNMP v.1, v.2c, v.3 are supported.
Also supports CANbus commands, easy to configure CAN data to SNMP gateway.
VT8101 has Built-in Watchdog timer with NTP synchronisation and 12V power reservation input.

Up to 8 CAN devices can be connected to VT8101. When plugged in, user need to configure CAN units, and save configuration, then after reboot or energy lost, the system automatically reconfigure sensors.



Using such CAN bus with max length 300 m, up to 128 different sensors can be connected to a single monitoring unit. Our easy to-use Replica programm allows user to setup all SNMP units within minutes.
When online, the sensors use 5 levels of threshold checking and report any status change.

• Freescale IMX257 processor • 128 Megabytes of Onboard NAND Flash • SD card slot • Power backup terminal • Dry contacts port • 3 Latching relais • Alarm beacon relay 12V	• Ethernet 100 Mbit port • 8 AutoSense RJ-12 ports • 2 CAN extension ports • USB HS CAM port • GSM modem port • I-Touch reader • HS USB cam port

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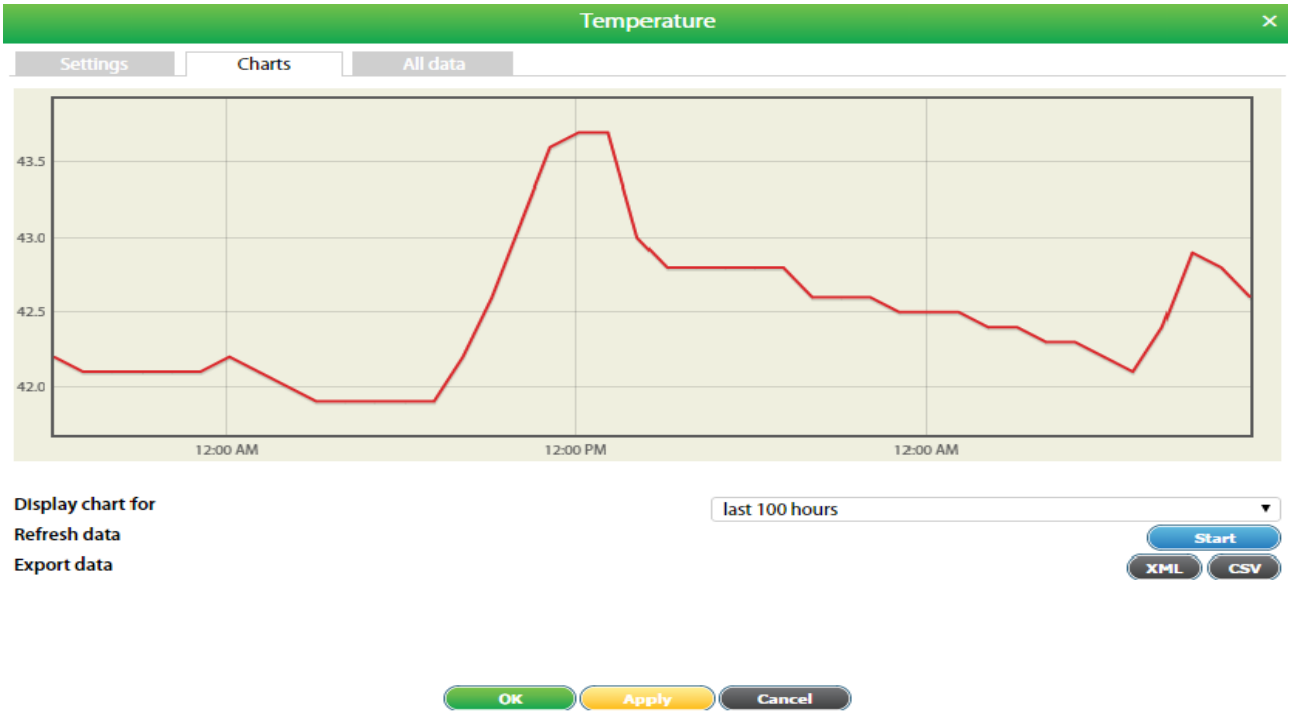
Connect up to 4 IP Cameras

VT8101 can display pictures from a maximum of four IP cams simultaneously in several sizes, up to 640x480 pixels resolution.	

Sensor Graphs

GUI integrates and displays graphs of all sensor data. The individual graph (seconds, minutes, hours, days) for each sensor type can be selected. RRD tool is used to build an embedded database of sensor data.
This data can be accessed in interface, or downloaded to Syslog or to FTP or saved on SD card.



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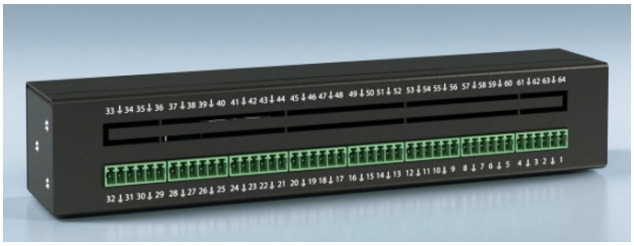
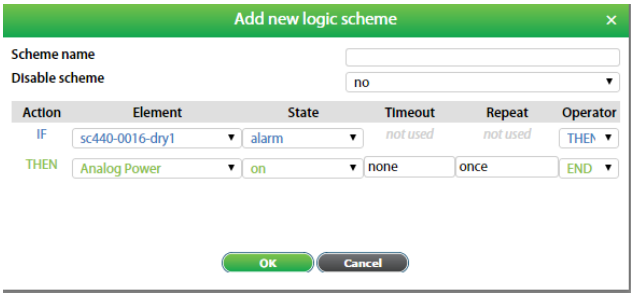
CAN units

A few CAN devices can be connected to VT8101. When plugged in, user need to configure CAN units and save configuration. After reboot or energy lost, the system automatically reconfigure CAN bus.
Using such CAN bus with max length 300 m, up to 128 dry contacts can be connected to a single monitoring unit on a distances up to 1 km.



Easy to-use duplicatio programm allows user to setup all units within minutes.

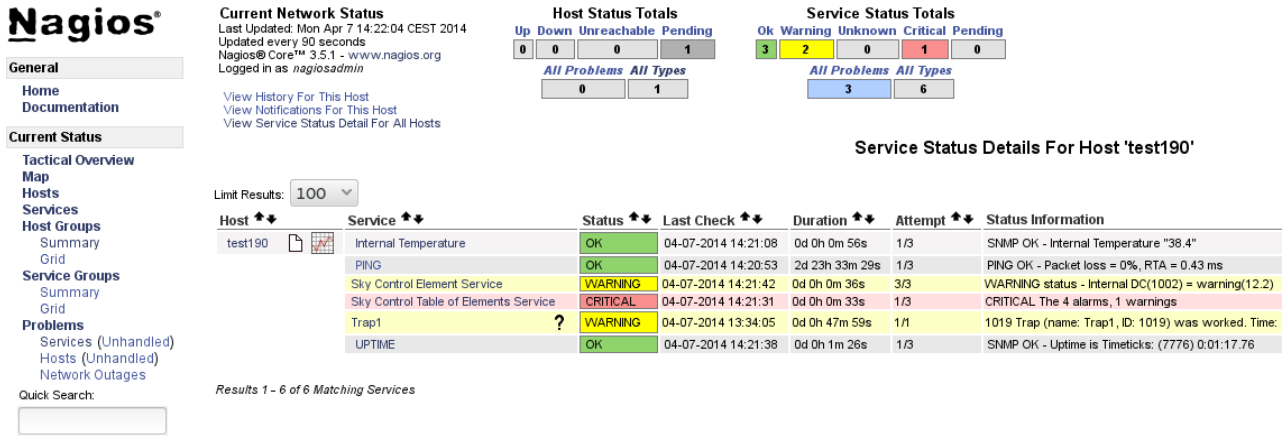
Notifications and alarms



Authorization is going through the Radius and LDAP protocols, that highly increases resistance to forced attacks.

Notifications and alarms can be configured in a Logic using the states of sensors, timers, triggers et cetera. The notification system can alert user of a problem via email, SMS or SNMP. VT8101 can automatically send pictures and data if Logic is set up.
The complete status of the unit and/or sensors can be taken through Http, SMS, or SNMP, saved on FTP and Syslog servers or on installed SD card.

Used Network Management Systems



- HP Network Node Manager
- IBM Tivoli
- PRTG Network Monitor
- Open NMS
- ServersCheck
- Zabbix
- Nagios
- Cacti
- Cacti
- and many more

Support and Warranty

• Full Two Year Global Warranty
• Unlimited Lifetime Support.
• Free Firmware Updates.
• Full, Easy to Follow Documentation.

VT8101 Features List

• Receive notifications of anomalous events via email, SMS / MMS, SNMP traps.
• Integrates with network management systems via SNMP v.1 and Encrypted SNMP v.3.
• Uses Linux operating system for maximum stability and flexibility.
• GUI for PC, smartphones and tablets; free firmware upgrades and utilities.
• Monitor up to 100 different sensors using expansion CAN units
• Compatible with full range of different third-party sensors
• Embedded web server displays sensor information and live video from connected cameras.

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Specification

Dimensions

- Size 440 x 44x 75 mm
- 1U
- Weight 1,8 Kg

Inputs

- Ethernet 100 Mbit/s
- 2 CAN extension
- 8 analog sensors
- GSM modem
- I-Touch reader
- Dry contacts
- 12V power backup

Operating Environment

- Temperature : Min. -10° C - Max.80° C
- Humidity : Min. 5% - Max. 80% (Non-Condensing)

Power Requirements

- 230V

Network Interface

- Ethernet 100 Mbit/s
- CAN bus

Outputs

- 3 relais 10A
- Alarm relay 12V
- Reader relay 12V
- GSM modem

Mounting

- 19”

Expansion Ports

- CAN RJ-12

Expansion Boards

- GSM modem
- Dry contacts

Power Consumption

- 6-18 Watt

Status Indicators

- LED indication for Power / Network / Error
- CAN bus state indication
- Relais Status Leds
- Alarm beacon Led

Components

- Manufactured in EU.
- SD card