

SMS Security Management System

Extreme Network Controller



SMS Provides:

- Access Control
- Video Detection
- Identity Management and Photo Identification
- Event and Alarm Monitoring
- Alarm Panel Integration
- Temperature Monitoring
- Historical Reporting

- Set up and operate the system from a standard web browser
- Fully distributed system architecture ensures operation even when there are network outages
- Fully integrated with ViconNet® Video Management System enables call up of live or recorded video right from the SMS browser interface
- Scalable system provides capacity up to 256 card readers that can be easily expanded as needs grow
- Widget-based desktop allows user customization of GUI
- Everything is connected to a standard TCP/IP network ensuring simple installation and expansion

The Vicon® SMS Security Management System is a full-featured, credential-based system running on a TCP/IP network. It can be accessed and controlled by a standard web browser on a local or wide area network, the Internet or a wireless network. No software installation is required to access the system. It is fully compatible with the ViconNet® Video Management System and combining the two provides a complete solution for access control and video surveillance applications.

The system consists of three building blocks: the Network Controller, Network Node and Application Cards. The Network Controller contains the operating system, database engine, web server, application software and configuration data. The Network Node is a communications device that serves as the conduit for communication between the Network Controller and the Application Cards. The Application Cards interface with readers, temperature sensors, relay outputs and alarm inputs.

The Extreme Network Controller is available as a wall or rack-mount unit. It has an Intel® Atom™ processor and on-board, solid-state disk storage up to 64 GB. It supports up to 256 card readers.

Extreme Network Controller Capabilities

Nodes / MicroNodes:	64
Access control readers:	Up to 256
Access cards:	150,000
Access Levels:	512 per partition
Card formats:	32
Alarm input points:	2000
Control point outputs:	2000
Temperature monitor points:	500
IP, DVR, and NVR cameras:	Limited only by license
Elevators:	20
Floors:	100
Online event history log:	Up to 40 million records
Ethernet switch ports:	1
Time specifications:	512 per partition
Time spec groups:	64 per partition
Time specs per group:	8 per partition
Threat levels:	8 per partition
Threat level groups:	32 per partition
Holidays:	30 per partition
Access levels per person:	16
Cards per person:	100
Report groups:	50
Camera groups:	50
Concurrent system users:	10

Electrical and Operational

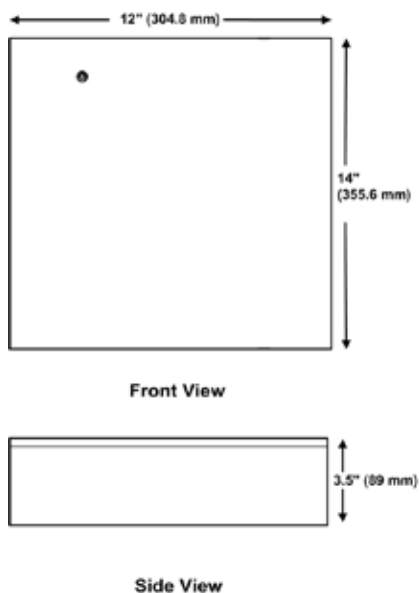
Operating System:	Linux.
CPU:	Intel® Atom™ 1.6 GHz.
RAM:	1 GB.
Storage:	8 GB, solid-state drive (SSD). 64 SSD optional.
Ethernet Ports:	1 (10/100).
Power Supply:	10 W, 85 to 260 VAC.
MTBF:	300,000 hrs.
Compatible Browsers:	Internet Explorer® Version 6.0 or higher; Mozilla® Firefox® version 1.0 or higher.
Network Security:	Encrypted (SSL 128-bit) and authenticated (SHA-1) optional.
Certifications:	UL 294 listed; UL 1076 listing pending. Federal Information Processing Standards (FIPS) 201 Personal Identity Verification Compliant.

Environmental

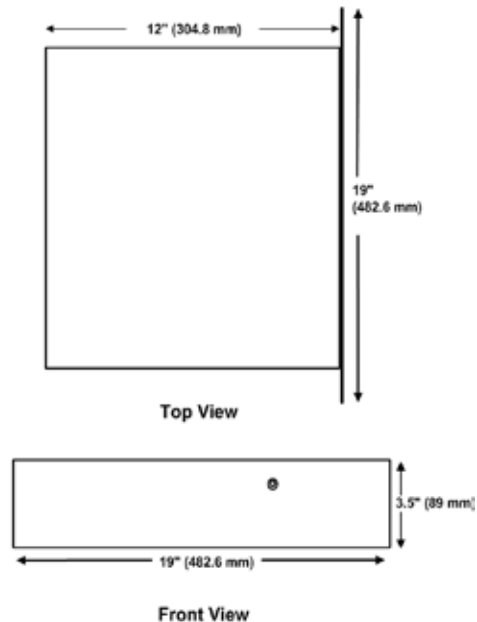
Operating Temperature:	32° to 104° F (0° to 40° C).
Humidity:	10 to 80 % relative humidity.

Dimensional Data

Wall-Mount



Rack-Mount



General

Compatible Browsers:	Internet Explorer® Version 6.0 or higher; Mozilla® Firefox® version 1.0 or higher.
Network Security:	Encrypted (SSL 128-bit) and authenticated (SHA-1) optional.
Certifications:	UL 294 listed; UL 1076 listing pending. Federal Information Processing Standards (FIPS) 201 Personal Identity Verification Compliant.

Mechanical

Dimensions:	Wall-Mount Enclosure: H: 14" (355.6 mm). W: 12" (304.8 mm). D: 3.5" (89 mm). Rack-Mount Enclosure: H: 3.5" (89 mm) 2 RU. W: 19" (482.6 mm). D: 12" (304.8 mm).
Weight:	Wall-Mount Enclosure: 7 lbs. (3.2 kg). Rack-Mount Enclosure: 7.5 lbs. (3.4 kg).

Data Sheet Number: V199-15
Dated: 05/2010

Vicon Data Sheet Part Number: 8009-7199-15-00
Specifications subject to change without notice.

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MicroNode is a trademark of S2 Security Corporation.

Extreme Network Controller

Wall or 2 RU Rack-mount enclosure. Includes network controller hardware in lightweight aluminum enclosure, status LED, tamper switch, and 12VDC power supply. Total system capacity of 256 readers.

Enclosure	Number of Readers	Model
Wall-Mount	16	SMSCTL-EXT-16-WM
	32	SMSCTL-EXT-32-WM
	64	SMSCTL-EXT-64-WM
	128	SMSCTL-EXT-128-WM
	192	SMSCTL-EXT-192-WM
	256	SMSCTL-EXT-256-WM
Rack-Mount	16	SMSCTL-EXT-16-RM
	32	SMSCTL-EXT-32-RM
	64	SMSCTL-EXT-64-RM
	128	SMSCTL-EXT-128-RM
	192	SMSCTL-EXT-192-RM
	256	SMSCTL-EXT-256-RM

Network Node and MicroNode

Network Nodes and MicroNodes provide the communications link from the Network Controller to the Application Cards. A complete access control system must include a Network Node or MicroNode™. For more information, refer to the Network Node V199-22 and MicroNode V199-30 data sheets.

Description	Model
Wall-mount Node enclosure with network node card and 7 slots for application cards. Lightweight aluminum with key lock, status LED, tamper switch, 12VDC power supply and battery backup capable.	SMSN-WM
Rack-mount Node enclosure with network node card and 7 slots for application cards. Lightweight enclosure with status LED and 12VDC power supply.	SMSN-RM
MicroNode: supports 2 card readers, 4 inputs, 4 outputs and 1 temp input in a self-contained locking enclosure with network status light.	SMSN-MN
MicroNode: supports 2 card readers, 4 inputs, 4 outputs and 1 temp input, no enclosure.	SMSN-MN-NE

ViconNet VMS Integration

Description	Model
ViconNet Video Management System Integration Option. Includes integration license up to 4 cameras (when purchased at time of system sale).	SMS-VN-4CAM
ViconNet Video Management System Integration Option. Integration license fee per camera beyond the initial 4 camera integration licenses. Included with option license (when purchased at time of system sale).	SMS-VN-1CAM
ViconNet Video Management System Integration Option. Includes integration license up to 4 cameras (when purchased separately from complete system).	SMS-VN-4CAM-S
ViconNet Video Management System Integration Option. Integration license fee per camera beyond the initial 4 camera integration licenses; included with option license (when purchased separately from complete system).	SMS-VN-1CAM-S

Options

Description	Model
Identity Management Option for use with Basic Network Controller, up to 16 readers. One user ID badge designer and print station license. Supports up to 20,000 badges. Includes camera facial recognition driver support.	SMS-ID-16
Identity Management Option for use with Basic Network Controller, up to 32 readers. One user ID badge designer and print station license. Supports up to 10,000 badges. Includes camera facial recognition driver support.	SMS-ID-32
Identity Management Option for use with Extreme, Enterprise or Enterprise Ultra Controller systems. One user ID badge designer and print station License; supports up to 80,000 badges; includes camera facial recognition driver support.	SMS-ID-ENT
ASSA ABLOY lock feature. License fee per lock.	SMSC-ASSA-LIC
Otis Elevator Compass integration option. Requires consulting services.	SMSC-OTIS-OPT