

# SMS Security Management System

## Enterprise and Enterprise Ultra Network Controller



*Enterprise Ultra 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 3,584 card readers that can be 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 from small systems to very large systems with over 3,000 access/monitoring points.

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 Enterprise Network Controller is contained in a 1U rack-mounted enclosure with additional processing power and memory, disk drive, serial port and network connections. It supports up to 896 card readers.

The Enterprise Ultra Network Controller is contained in a 2U rack-mounted enclosure with even greater processing power and memory, RAID-1 disk drive array, serial port and network connections. It supports up to 3,584 card readers.

### *Enterprise and Enterprise Ultra Network Controller Capabilities*

<b>Nodes/MicroNodes:</b>	64 (256 For Enterprise Ultra)
<b>Access control readers:</b>	Up to 896 (3584 for Enterprise Ultra)
<b>Access cards:</b>	Unlimited
<b>Access Levels:</b>	512 per partition
<b>Card formats:</b>	32
<b>Alarm input points:</b>	2000 (4000 for Enterprise Ultra)
<b>Control point outputs:</b>	2000 (4000 for Enterprise Ultra)
<b>Temperature monitor points:</b>	500
<b>IP, DVR, and NVR cameras:</b>	Limited only by license
<b>Elevators:</b>	20
<b>Floors:</b>	100
<b>Online event history log:</b>	Up to 400 million records
<b>Ethernet switch ports:</b>	2
<b>Time specifications:</b>	512 per partition
<b>Time spec groups:</b>	64 per partition
<b>Time specs per group:</b>	8 per partition
<b>Threat levels:</b>	8 per partition
<b>Threat level groups:</b>	32 per partition
<b>Holidays:</b>	30 per partition
<b>Access levels per person:</b>	16
<b>Cards per person:</b>	100
<b>Report groups:</b>	50
<b>Camera groups:</b>	50
<b>Concurrent system users:</b>	25

## Electrical and Operational

### Enterprise Network Controller

<b>Operating System:</b>	Linux.
<b>CPU:</b>	Intel® Celeron® 2.0 GHz.
<b>RAM:</b>	1 GB, 2 GB maximum.
<b>IDE Hard Disk Drive:</b>	80 GB.
<b>CDRW/DVD-R:</b>	Optional, external USB.
<b>Ethernet Ports:</b>	2 (10/100).
<b>Power Supply:</b>	200 W, 100 to 200 VAC.
<b>MTBF:</b>	52,560 hrs (calculated).

### Enterprise Ultra Network Controller

<b>Operating System:</b>	Linux.
<b>CPU:</b>	Intel® Pentium® 4 @ 2.8 GHz
<b>RAM:</b>	2 GB, 4 GB maximum.
<b>IDE Hard Disk Drive:</b>	2 x 80 GB SATA in RAID-1 configuration.
<b>CDRW/DVD-R:</b>	Internal.
<b>Ethernet Ports:</b>	2 (10/100).
<b>Power Supply:</b>	300 W, 100 to 200 VAC.
<b>MTBF:</b>	52,560 hrs (calculated).

## General

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

## Mechanical

### Enterprise Network Controller

<b>Dimensions:</b>	H: 1.75" (44.5 mm). W: 19" (483 mm) (including the mounting brackets). D: 16.75" (425 mm).
<b>Weight:</b>	16 lbs. ( 7.28 kg).

### Enterprise Ultra Network Controller

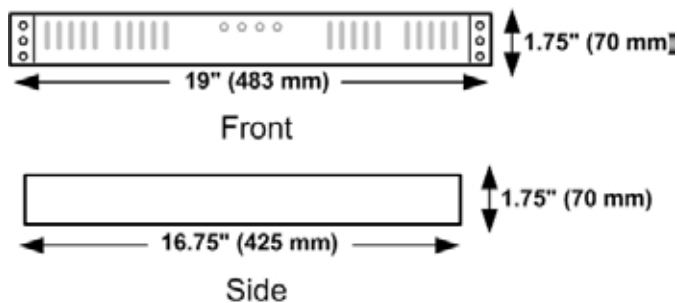
<b>Dimensions:</b>	H: 3.5" (89 mm). W: 19" (483 mm) W (including the mounting brackets). D: 16.75" (425 mm).
<b>Weight:</b>	30 lbs. ( 13.6 kg).

## Environmental

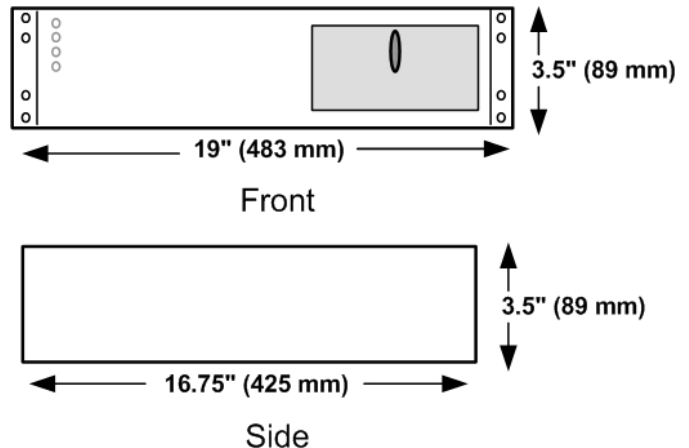
<b>Operating Temperature:</b>	32° to 104° F (0° to 40° C).
<b>Humidity:</b>	10 to 80 % relative humidity.

## Dimensional Data

### Enterprise Network Controller



### Enterprise Ultra Network Controller



Data Sheet Number: V199-10  
Dated: 05/2010

Vicon Data Sheet Part Number: 8009-7199-10-00  
Specifications subject to change without notice.

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MicroNode is a trademark of S2 Security Corporation.

## Enterprise Network Controller

1 RU rack-mount network controller. Contains 80 GB hard drive and internal power supply. Total system capacity of 896 readers. Additional reader licenses are available in 64 reader expansion licence packages.

	Number of Readers	Model
Enterprise Network Controller	64	SMSCTL-ENT-64
	128	SMSCTL-ENT-128
	192	SMSCTL-ENT-192
	256	SMSCTL-ENT-256
	320	SMSCTL-ENT-320
	384	SMSCTL-ENT-384
	448	SMSCTL-ENT-448
	512	SMSCTL-ENT-512
	64 Reader Expansion License	SMSL-ENT-64

## Enterprise Ultra Network Controller

2 RU rack-mount network controller. Contains 80 GB RAID-1 hard drive array, internal DVD-R/CDRW drive and power supply. Total system capacity of 3,584 readers. Additional reader licenses are available in 64 reader expansion license packages.

	Number of Readers	Model
Enterprise Ultra Network Controller	128	SMSCTL-ULT-128
	192	SMSCTL-ULT-192
	256	SMSCTL-ULT-256
	320	SMSCTL-ULT-320
	384	SMSCTL-ULT-384
	448	SMSCTL-ULT-448
	512	SMSCTL-ULT-512
	64 Reader Expansion License	SMSL-ULT-64

## 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