VICON ACCESS CONTROL
SOFTWARE/SERVER
Vicon-Certified Servers Pre-Loaded with VAX Software

VAX Interface

Desktop Server

Rack-Mount Server

Vicon Access Control (VAX) is a full-featured credential-based system that can be installed on a standalone PC or ordered preinstalled on a Vicon certified server. 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 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.

The VAX system provides many innovative features that provide the highest security in the industry. Credential validation can be based on time of day, day of week, holiday scheduling, door mode and any customized scheduling, as well as credential combinations. Anti-pass-back prevents any credential (card, fob, PIN) from being used twice to gain access without exiting first. Photo ID badging integration is easily accomplished via SQL database. Unlimited Access Privilege Groups, Administrators, System Users, Access Privileges, Cardholders, Customizable User Fields and Remote Sites are standard system features. Multi-site management can be handled via partitions.

Product at a Glance

- Full integration with ViconNet VMS enables call up of live or recorded video directly from the access system browser interface
- Smart responsive web-based user interface
- Everything is connected to a standard TCP/IP network ensuring ease of installation and expansion
- Unlimited doors, users and door time zones
- Utilizes SQL database for reliable and robust data storage
- Advanced SSL encryption ensures system security
- Assign multiple cards or PINs to each user
- Manage unlimited sites across multiple time zones
- Remote firmware upgradable
- Server configured with the VAX software license of your choice

This Access Control on the Edge consists of dedicated Vicon Access Control Server and the edge Controller(s). The Server contains the operating system, database engine, web server, application software and configuration data. The Controller communicates back to the Server over the network and provides an interface to readers, relay outputs, door locks, etc. Refer to individual datasheets for the door, elevator and I/O controllers and a variety of readers.

The VAX-PC is a dedicated Vicon Access Control Server that is available in a desktop or rack-mount version (VAX-PC-RK). The Server contains the operating system, database engine, web server, application software and configuration data. The server can be configured with the software license of your choice.

A variety of software licensing options are available, including 1 year, 5 years or perpetual for 40, 80, 120 or an unlimited number of doors. Refer to ordering information for a list of models.

VICON ACCESS CONTROL **SOFTWARE/SERVER**

SPECIFICATIONS

Server *(Minimum PC Specifications)*

Operating System:	Microsoft® Windows® 7 Embedded*, 64 bit.
CPU:	Intel® Core™ i5 processor.
Memory:	4 GB.
DVD Drive:	Internal DVD drive not available on most units. External USB DVD can be used.
Ports:	USBs, Monitors.
Operating System Drive:	250 GB SATA-II
Network Interface:	100/1000 Base T Ethernet interface on main board.
Certifications:	FCC Class A.

Electrical

Input Voltage:	105-240 ±10% VAC, 50/60 Hz.
Current:	0.66 A @ 115 VAC; 0.33 A @ 240 VAC.
Power Consumption:	76 W nominal.
Heat Output:	266 btu/hour.
Power Connector:	Standard 3-conductor female socket.

Mechanical

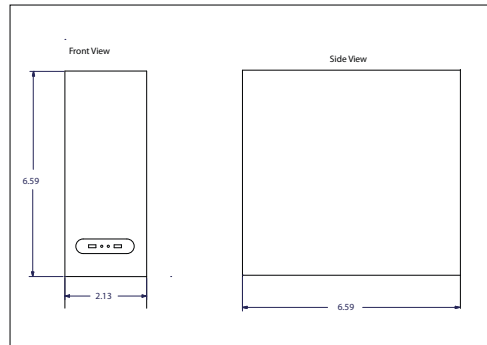|	
Application:	Indoor.
Mounting:	Standard mini ITX chassis desktop or 19 in. (483 mm) rack-mount, 1 RU height.
Dimensions:	Rack-Mount: 1.75" (44.45 mm) H x 19" (483 mm) W x 15.5" (394 mm) D, without connectors; 16" (406 mm) D, including connectors. Desktop: 6.59 in. (167.5 mm) H x 2.13 in. (44 mm) W x 6.59 in. (167.5 mm) D.
Weight:	Rack-Mount: Approximately 18.2 lb (8.3 kg). Desktop: Approximately 8.1 lb (3.7 kg).
Construction:	Steel and plastic.

Environmental

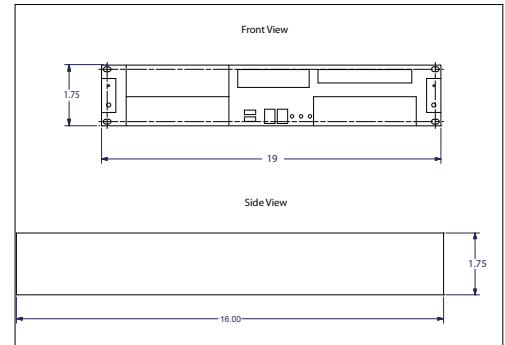|	
Operating Temperature:	32° to 104°F (0° to 40°C).
Humidity:	Up to 95% relative, non-condensing.

Warranty

2 years parts and labor.

Dimensional Drawings

Desktop

Rack-Mount

ORDERING INFORMATION

VAX Servers

Description	Model Number
Vicon Access Control Server; for customized preinstallation of selected VAX software license; desktop model	VAX-PC
Vicon Access Control Server; for customized preinstallation of selected VAX software license; rack-mount model	VAX-PC-RK

Licenses

License Types*	Model Number
Perpetual license; supports up to 40 doors, no elevator cabs, 1 partition and 20 camera licenses. Includes all updates and bug fixes during this time.	VAX-SW40-UNL
Perpetual license; supports up to 80 doors, unlimited elevator cabs, 2 partitions and 40 camera licenses. Includes all updates and bug fixes during this time.	VAX-SW80-UNL
Perpetual license; supports up to 120 doors, unlimited elevator cabs, 5 partitions and 60 camera licenses. Includes all updates and bug fixes during this time.	VAX-SW120-UNL
Perpetual license; supports up to unlimited elevator cabs, unlimited partitions and unlimited camera licenses. Includes all updates and bug fixes during this time.	VAX-SWU-UNL

*All licenses are available in a 1 year or 5 year version. Change the UNL in the model name to 1YR or 5YR, respectively.

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