Volition™ Intelligent Management System
Software

Volition Intelligent Management Software manages Volition hardware, monitors the health of all the cabling components and also collects network data using its own discovery mechanism as well as data from external applications. Volition IMS can be deployed in centralised or distributed configurations and can manage sites locally and remotely.

Using this 100% accurate data, it builds and maintains a database, a trusted source of information on all network components and their connectivity to other network components.

It immediately identifies disconnected devices and users, enabling proactive network troubleshooting and reducing mean-time-to-repair (MTTR).

Building on this accurate data, Volition IMS automates and accelerates a broad variety of previously manual tasks, including automated provisioning, work order planning and execution, reporting capabilities, production and management, guided moves, adds and changes (MAC) and maintenance forensics, web-based configuration, connection troubleshooting, security monitoring, utilization optimization and others.

Key Capabilities:

- **Documentation & Compliance**
  - Provides a trusted source database for infrastructure and network assets
  - Generates reports to document assets and operations
  - Supports compliance with security and privacy legislation

- **Automated Provisioning**
  - Supports a 100%-automated and accurate provisioning process
  - Provides control over power and space consumption for the datacenter environment
  - Supports the user-specific policies

- **Incident Management**
  - Provides real-time alerts and effective troubleshooting tools

- **Asset Management**
  - Automatically discovers IP-driven devices in the organization
  - Optimizes the management and utilization of all network assets

- **Security**
  - Helps mitigate security risks. Offers a range of advanced security features
The VIMS software is the heart of a comprehensive solution for real-time location-based control over network infrastructure.

VIMS software contains the following features:

- **Work Order**
  - Created by the system manager and used to assign and track different tasks issued to the customer's technicians. These tasks can vary from creating and editing links to installing software and relocating terminal equipment, for example, telephones, printers etc.

- **Secure Link**
  - Allows vital links in the organisation to be defined. Closely monitors information on any change or problems that occur on the secure link or on its end devices (stations).

- **VIMS hardware support**
  - With the collaboration with VIMS Hardware, the application provides real time accurate management of the VIMS Cabling System.

The VIMS software is the basis of four packages. Additional modules may be purchased to complement the package to build the software suite required for a particular application.

The three packages are:

**VIMS Core**  
Mainly used for cabling documentation

VIMS Software plus Report Centre (1 user)

**VIMS Standard**  
Core package plus the ability to detect and monitor network equipment

VIMS Software plus Discovery and Report Centre (1 user)

**VIMS Advanced**  
Allows leveraging the system's capabilities in provisioning and utilising the system's values to the fullest extent, not only at the maintenance stage of the network, but also during planning and implementation.

VIMS Software plus Discovery, Report Centre (1 user), Provisioning Module, Site Pro (1 user) and CAD module,

The following modules may be part of a package or purchased in conjunction with VIMS software.

**Volition Report Centre**  
Provides a broad range of out-of-the-box reports, as well as a powerful reporting engine for creating customised reports. All reports can be exported to a multitude of formats and/or scheduled for automatic distribution. (Requires the installation of Crystal Reports 11 on the server side.)

**Volition Discovery**  
The Discovery module includes the following capabilities:

- Network tracking system that automatically discovers end-to-end network connectivity and gathers vital network topology information without breaching the organization's security policies.

- **Device Authorization** – Provides support of MAC Address Authorized User List, creates an event when unauthorised device is detected, supports different security levels per location and provides easy authorisation of a new device.

- **Device Locator** – Detects the precise physical location of devices on the network, as well as detecting an unauthorised device in the network.
- **Generic Switch Driver** – Automatically detects key information about new and existing switches in the network.

**Volition Provisioning Module**
Enables a user to assign system resources and privileges in a fully automated environment. Significantly improves the planning and provisioning process, including automated Moves Adds & Changes (MAC), for data centre and workspace environments. The module also enables users to incorporating their proprietary rules.

**CAD Module**
Compatible with Autodesk MapGuide Server Version 6.5 and allows a user to manage VIMS inventory items on a location map using standard Geographic Information System (GIS) operations.

**VIMS Offline Ports**
Enables a user to manage the company's infrastructure for the parts of the organization where Volition Intelligent Management System is not installed.

**PBX Module**
Takes the information acquired from the PBX ports and maps the end-to-end connectivity between the PBX switch port and the telephone end device.

**Cable Test Results Module**
Contains data for link and channel tests for each port. Includes an option to view these results using a PDF/FLW viewer.

**Volition Site Builder**
It is an effective tool for mass import of asset and connectivity data from existing Microsoft Excel tables. It enables the user to create work orders while harnessing the input speed of Microsoft Excel.

**Volition Site Pro**
It is an advanced handheld application. It extends powerful management capabilities onto the network floor, whether in the datacenter, communication room, workspace or at a remote location.

**Volition SDK**
SDK (Software Development Kit) enables Volition Intelligent Management Software capabilities to be used with any external application or system in the organization’s network. As an open-platform system, Volition Intelligent Management Software integrates seamlessly with the full range of help desk, network management and asset management tools. SDK uses common interface technologies, such as web services and DLLs.

**Volition Dashboard**
It continuously monitors the infrastructure and all active network devices, including patch panels, switches, servers, PCs, phones and printers.
### Specification

<table>
<thead>
<tr>
<th>Server</th>
<th>Processor</th>
<th>Minimum Pentium IV at 2.4GHz or greater (for large installations configuration should be determined separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>&gt; 2GB RAM</td>
<td></td>
</tr>
<tr>
<td>Hard Disc Space</td>
<td>&gt; 2GB</td>
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</tr>
<tr>
<td>Operating System</td>
<td>Windows 2003 server with SP1, Windows 2000 server with SP4</td>
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</tr>
<tr>
<td>Browser</td>
<td>Internet Explorer 6 (SP1) or 7</td>
<td></td>
</tr>
<tr>
<td>Database</td>
<td>MS SQL 2005 with SP1 or MS SQL 2000 Standard/Enterprise + SP4</td>
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<tr>
<td>IIS</td>
<td>IIS 5 or 6 – FTP server, SMTP services</td>
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<tr>
<td>MSMQ</td>
<td>Version 3.0, 2.0 or higher</td>
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</table>

**Client**

<table>
<thead>
<tr>
<th>Processor</th>
<th>Minimum Pentium III at 500MHz</th>
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</thead>
<tbody>
<tr>
<td>Memory</td>
<td>&gt; 512MB RAM</td>
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<tr>
<td>Operating System</td>
<td>MS Windows XP SP2 or Win 2000</td>
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<tr>
<td>Browser</td>
<td>Internet Explorer 6 (SP1) or 7 with Active X, cookie and Java script support</td>
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</table>

### Ordering Information

<table>
<thead>
<tr>
<th>VIMS Core *</th>
<th>VOL-VIMS-601</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIMS Standard *</td>
<td>VOL-VIMS-602</td>
</tr>
<tr>
<td>VIMS Advanced *</td>
<td>VOL-VIMS-603</td>
</tr>
<tr>
<td>VIMS Discovery Module *</td>
<td>VOL-VIMS-605</td>
</tr>
<tr>
<td>VIMS Provisioning Module *</td>
<td>VOL-VIMS-606</td>
</tr>
<tr>
<td>VIMS PBX Module *</td>
<td>VOL-VIMS-607</td>
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<tr>
<td>VIMS Cable Test Results Module</td>
<td>VOL-VIMS-608</td>
</tr>
<tr>
<td>VIMS SDK Runtime *</td>
<td>VOL-VIMS-609</td>
</tr>
<tr>
<td>VIMS Core Additional Online Ports *</td>
<td>VOL-VIMS-610</td>
</tr>
<tr>
<td>VIMS Standard Additional Online Ports *</td>
<td>VOL-VIMS-611</td>
</tr>
<tr>
<td>VIMS Advanced Additional Online Ports *</td>
<td>VOL-VIMS-612</td>
</tr>
<tr>
<td>VIMS Plus Additional Online Ports *</td>
<td>VOL-VIMS-613</td>
</tr>
<tr>
<td>Report Center - Additional User</td>
<td>VOL-VIMS-614</td>
</tr>
<tr>
<td>SiteBuilder Inventory Editor Module 2.5</td>
<td>VOL-VIMS-615</td>
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<tr>
<td>VIMS Customization for a new switch driver</td>
<td>VOL-VIMS-617</td>
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<tr>
<td>VIMS Dashboard 2.2 - User</td>
<td>VOL-VIMS-618</td>
</tr>
<tr>
<td>SitePro 1.4 - User</td>
<td>VOL-VIMS-619</td>
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<tr>
<td>SDK Developer</td>
<td>VOL-VIMS-621</td>
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</table>

* the number of ports to be supported must be defined

### Important Notice

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3M Telecommunications
Europe, Middle East & Africa
c/o 3M Deutschland GmbH
Carl-Schurz-Straße 1
41453 Neuss · Germany
Tel.: ++49 (0)2131 / 14-5999
Fax: ++49 (0)2131 / 14-5998
Internet: www.3MTelecommunications.com/eu

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