

# SOFTWARE HOUSE

*From Tyco Security Products*

## C•CURE 9000

### Security and Event Management System



#### Features That Make a Difference:

- **NEW!** Centrally manage visitor appointments with temporary credential issuance and individual check in/out tracking
- **NEW!** Effectively manage parking lot anti-passback control of carpool group members based on a designated driver's credential
- **NEW!** Automatic device discovery and monitoring of BACnet devices for building management system integration
- Richer integration with victor Unifying Client improved – access, video, and intrusion
- Administer and monitor C•CURE 9000 remotely with C•CURE Go mobile app
- Advanced Door Monitoring for up to 14 inputs (i.e. bond sensor, fire alarm lock release, etc.)
- Guard Tour capability allows security personnel to patrol predetermined checkpoints within a time frame, or by event or email notification
- Assign role-based privileges through groups to save time
- Validate user name and password with email authentication
- Enable enterprise scalability and independent location control with C•CURE 9000 distributed architecture
- Full database synchronized across all servers
- Track consolidated data efficiently with global journal, audit, and configuration reporting
- Assign application layouts to specific events
- Supports extended card numbers addressing the U.S. Government's HSPD-12 and its requirement for multi-field Cardholder Unique Identifiers (CHUID)
- Supports TWIC (Transportation Worker Identification Credential) to protect secure areas of U.S. maritime transportation systems

### Powerful and Flexible Security Management

C•CURE 9000 is one of the industry's most powerful and flexible security management systems.

Monitor events, manage personnel, create reports, display dynamic views, and monitor system activity anywhere in the world directly from your PC using the full C•CURE client, the web client, or on the move with C•CURE Go mobile app.

### Information and Event Management at its Best

Describing C•CURE 9000 as an access control system is an enormous understatement. The way in which you are able to manage credentials and privileges is what sets C•CURE 9000 apart.

- Area Control and Occupancy Management allow you to enforce global anti-passback, define occupancy restrictions and lock down procedures in sensitive or classified areas
- Intrusion Zones and Keypad Commands provide additional verification requirements and duress triggers
- Dynamic Views and Editable Maps serve up critical information in a customizable way, all while allowing you to find, manage, and acknowledge significant incidents on user-defined floor plans
- Intuitive Badging and Smart Card Enrollment

### Unified Access Control and Video Experience

As an option, you can take a holistic video perspective of managing access control, video, and intrusion with a deeply embedded victor unifying client. This flexibility, coupled with the system's powerful distributed architecture, makes C•CURE 9000 the leader in providing solutions to some of the most complex security challenges in mid to large enterprise applications.

### Mastering Scalability for Enterprise Implementations

C•CURE 9000 provides an advanced distributed architecture for a robust enterprise solution that supports master and satellite application servers. Corporate security personnel and IT managers receive central control over the entire system, while each local facility maintains control of its individual operation. Whether your organization consists of a few facilities that are locally dispersed or many that span the globe, this solution scales as your company grows.

### Industry's Most Robust Integrations

C•CURE 9000 brings you myriad integrated solutions including video, intrusion, intercom, fire alarm management, PSIMs and more. The integrations are thoroughly tested and delivered to you through the intuitive C•CURE 9000 interface.

Note: All new features are part of C•CURE 9000 v2.4

# Deeper Dive: C•CURE 9000 Enterprise

## Enterprise Architecture

The C•CURE 9000 Enterprise architecture supports one master application server (MAS) and up to 20 satellite application servers (SAS) for enterprise scalability.

Each SAS may be positioned close to its relevant field hardware – limiting traffic to the MAS and optimizing performance. Each facility maintains a local SQL database which is synchronized with the MAS for global control and reporting. The MAS distributes these changes globally from each independent SAS, which ensures all servers are equipped and operating with up-to-date information.

By connecting a SAS to the LAN with local access control hardware, alarm monitoring and badging workstations, local performance is optimized versus the latency you may experience from the WAN. Local performance is further optimized since the MAS performs all global reporting across all SASs, thus allowing each SAS to allocate its resources solely to important access control functions.

## Independent Control

Each SAS communicates directly with the MAS but is not dependent on the MAS for access control. Each satellite system administrator has total control over all access control field hardware and system information related to his/her respective location. This gives regional system administrators autonomous control over their individual regions independent of the MAS and corporate WAN.

## Central Alarm Monitoring and Management

C•CURE 9000 Enterprise allows you to simultaneously monitor alarms from multiple locations at one convenient workstation. Viewing all data across all SASs gives you a full view of your entire operation. Monitoring of alarms from multiple sites means operators may rotate the responsibility whether from different buildings at a campus to different locations across the globe.

## Global Reporting

With C•CURE 9000 Enterprise's global reporting functionality, you can retrieve personnel, configuration, hardware, journal, audit and more data from all facilities within the organization. This saves valuable time searching for data and compiling critical reports since all global information is replicated on the MAS.

## C•CURE 9000 Standalone and Enterprise System Capacities

| C•CURE 9000 MAS Values (Default/Maximum) <sup>1</sup> |       |        |        |         |         |
|-------------------------------------------------------|-------|--------|--------|---------|---------|
|                                                       | M1    | M2     | M3     | M4      | M5      |
| # of Enabled Global Personnel Records <sup>2</sup>    | 1,000 | 10,000 | 25,000 | 100,000 | 250,000 |
| # of Simultaneous Clients <sup>3</sup>                | 5/100 | 5/100  | 5/100  | 10/100  | 10/100  |
| # of Badging Clients                                  | 1/100 | 1/100  | 1/100  | 2/100   | 2/100   |

| C•CURE 9000 Standalone and SAS Values (Default/Maximum) <sup>4</sup> |                       |                       |                       |                       |                       |                       |                            |                       |
|----------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|
|                                                                      | SERIES L <sup>5</sup> | SERIES M <sup>5</sup> | SERIES N <sup>5</sup> | SERIES P <sup>6</sup> | SERIES Q <sup>6</sup> | SERIES R <sup>6</sup> | SERIES R PLUS <sup>6</sup> | SERIES S <sup>6</sup> |
| # of Online Readers                                                  | 16                    | 32                    | 64                    | 128                   | 256                   | 512                   | 1,000                      | 2,500                 |
| # of Online Inputs                                                   | 1,000                 | 1,000                 | 1,000                 | 5,000/10,000          | 5,000/10,000          | 5,000/10,000          | 7,500/10,000               | 10,000                |
| # of Online Outputs                                                  | 1,000                 | 1,000                 | 1,000                 | 5,000/10,000          | 5,000/10,000          | 5,000/10,000          | 7,500/10,000               | 10,000                |
| # of Enabled Local Personnel Records                                 | 7,000                 | 12,000                | 40,000                | 45,000                | 250,000               | 250,000               | 250,000                    | 500,000               |
| # of Simultaneous Clients <sup>3</sup>                               | 10/30                 | 10/30                 | 10/30                 | 20/256                | 30/256                | 40/256                | 80/256                     | 100/256               |
| # of Badging Clients                                                 | 1/30                  | 1/30                  | 1/30                  | 2/256                 | 2/256                 | 3/256                 | 5/256                      | 10/256                |

- (1) Additional clients and badging clients may be added to a system license. Simultaneous client connections are tabulated by C•CURE 9000 Administration, Alarm Monitoring, and Web Client connections. C•CURE 9000 is designed for unlimited expansion. The 100 is a design capability while the tested limit is 10. System performance will vary depending upon specific hardware configuration including number of communication lines/ports, download/upload frequency, etc.
- (2) Global personnel records are the maximum supported as an aggregate across the total number of SAS servers.
- (3) Client License – Single monitoring station application, administration application or web client application.
- (4) Additional simultaneous clients, badging clients, inputs/outputs may be purchased separately. Simultaneous client connections are tabulated by C•CURE 9000 Administration, Alarm Monitoring, and Web Client connections. C•CURE 9000 is designed for unlimited expansion. The 256 is a design capability while the tested limit is 100. System performance will vary depending upon specific hardware configuration including number of communication lines/ports, download/upload frequency, etc.
- (5) The baseline capabilities of the system are within the envelope of operation for utilization of SQL Express.
- (6) (SQL and SQL Express): A SQL Express license is shipped with every system software DVD package. Series P through S require a full SQL Server 2008 R2 Standard and Enterprise (32- and 64-bit) license which may be purchased separately.

## Specifications

| C•CURE 9000 Client Workstation    |                                                                                                                                                                                                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended Hardware and Software |                                                                                                                                                                                                                                                                                      |
| Processor                         | Intel Core i5-3470 (6 MB, 3.2 GHz or greater)                                                                                                                                                                                                                                        |
| Hard Disk Drive                   | 500 GB or greater                                                                                                                                                                                                                                                                    |
| Drive Speed                       | 7,200 RPM or greater                                                                                                                                                                                                                                                                 |
| Memory                            | 4 GB on 32-bit OS; 8 GB on 64-bit OS dedicated to C•CURE 9000                                                                                                                                                                                                                        |
| Network Adapter Card              | Integrated Gigabit Network Port                                                                                                                                                                                                                                                      |
| DVD Drive                         | Recommended                                                                                                                                                                                                                                                                          |
| Video Card                        | 1 GB NVIDIA Quadro 600                                                                                                                                                                                                                                                               |
| Operating System (Recommended)    | Windows 7 SP1 or later Professional and Enterprise (64-bit)<br>Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)                                                                                                                                             |
| Operating System (Supported)      | Windows 8.1 Professional and Enterprise (32- and 64-bit)<br>Windows 7 SP1 or later Professional and Enterprise (32- and 64-bit)<br>Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)<br>Windows Server 2008 R2 SP1 or later Standard and Enterprise (64-bit) |

| C•CURE 9000 Standalone Server Series L, M, N |                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended Hardware and Software            |                                                                                                                                                                                                                                                                                                                                                        |
| Processor                                    | Intel® 3rd Generation Core i7-3770 or greater (8 MB, 3.4 GHz or greater)                                                                                                                                                                                                                                                                               |
| Hard Disk Drives                             | Dual drives: primary drive = 250 GB (9000 Runtime); secondary drive = 250 GB (data backups)                                                                                                                                                                                                                                                            |
| Drive Speed                                  | 7,200 RPM or greater                                                                                                                                                                                                                                                                                                                                   |
| Memory                                       | 4 GB on 32-bit OS; 8 GB on 64-bit OS dedicated to C•CURE 9000                                                                                                                                                                                                                                                                                          |
| Network Adapter Card                         | Integrated Gigabit Network Port                                                                                                                                                                                                                                                                                                                        |
| DVD Drive                                    | Recommended                                                                                                                                                                                                                                                                                                                                            |
| Video Card                                   | Integrated Video Subsystem (dedicated video accelerator recommended when used as a client workstation)                                                                                                                                                                                                                                                 |
| Database (English only)                      | SQL Server 2008 R2 Express (32- and 64-bit)<br>SQL Server 2008 R2 Standard and Enterprise (32- and 64-bit)<br>SQL Server 2012 Express, SP1 or later (32- and 64-bit)<br>SQL Server 2012 Standard and Enterprise, SP1 or later (32- and 64-bit)<br>SQL Server 2014 Express (32- and 64-bit)<br>SQL Server 2014 Standard and Enterprise (32- and 64-bit) |
| Operating System (Recommended)               | Windows 7 SP1 or later Professional and Enterprise (64-bit)<br>Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)                                                                                                                                                                                                               |
| Operating System (Supported)                 | Windows 8.1 Professional and Enterprise (32- and 64-bit)<br>Windows 7 SP1 or later Professional and Enterprise (32- and 64-bit)<br>Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)<br>Windows Server 2008 R2 Standard and Enterprise (64-bit)                                                                                |
| Web Server                                   | IIS v6.0 or higher for C•CURE 9000 Web Client, C•CURE Go, victor Web Service, and C•CURE Mobile                                                                                                                                                                                                                                                        |

## C•CURE 9000 Standalone Server Series P, Q, R, R+, S and SAS Server Series L, M, N

### Recommended Hardware and Software

|                         |                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor               | Intel Xeon Quad-Core E3-1240 (3.3 GHz or greater)                                                                                                                                                                                                                                                   |
| Hard Disk Drives        | Dual drives: primary drive = 300 GB (9000 Runtime) secondary drive = 300 GB (data backups)                                                                                                                                                                                                          |
| Drive Speed             | 15,000 RPM or greater                                                                                                                                                                                                                                                                               |
| Memory                  | 16 GB dedicated to C•CURE 9000                                                                                                                                                                                                                                                                      |
| Network Adapter Card    | Intel Gigabit ET Quad Port Adapter, Gigabit Ethernet NIC, PCIe x4                                                                                                                                                                                                                                   |
| DVD Drive               | Recommended                                                                                                                                                                                                                                                                                         |
| Video Card              | Integrated video subsystem (dedicated video accelerator recommended when used as a client workstation)                                                                                                                                                                                              |
| Database (English only) | SQL Server 2008 R2 Standard and Enterprise (32- and 64-bit)<br>SQL Server 2012 Standard and Enterprise, SP1 or later (32- and 64-bit)<br>SQL Server 2014 Express (32- and 64-bit) (SAS Server Series L, M, N only)<br>SQL Server 2014 Standard and Enterprise (32- and 64-bit)                      |
| Operating System        | Windows 8.1 Professional and Enterprise (64-bit)<br>Windows 7 SP1 or later Professional and Enterprise (64-bit) (compatible with L-N SAS only)<br>Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)<br>Windows Server 2008 R2 SP1 or later Standard and Enterprise (64-bit) |
| Web Server              | IIS v6.0 or higher for C•CURE 9000 Web Client, C•CURE Go, victor Web Service, and C•CURE Mobile                                                                                                                                                                                                     |

## C•CURE 9000 SAS Server Series P, Q, R, R+, S and MAS Server

### Recommended Hardware and Software

|                                        |                                                                                                                                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                              | Intel Xeon Quad-Core E5-2450 (2.1 GHz or greater)                                                                                                                                                 |
| Hard Disk Drives                       | Dual drives: primary drive = 600 GB (9000 Runtime) secondary drive = 600 GB (data backups)                                                                                                        |
| Drive Speed                            | 15,000 RPM or greater                                                                                                                                                                             |
| Memory                                 | 16 GB dedicated to C•CURE 9000                                                                                                                                                                    |
| Network Adapter Card                   | Intel Gigabit ET Quad Port Adapter, Gigabit Ethernet NIC, PCIe x4                                                                                                                                 |
| DVD Drive                              | Recommended                                                                                                                                                                                       |
| Video Card                             | Integrated Video Subsystem <sup>6</sup>                                                                                                                                                           |
| SAS Series P-S Database (English only) | SQL Server 2008 R2 Standard and Enterprise (32- and 64-bit)<br>SQL Server 2012 Standard and Enterprise, SP1 or later (32- and 64-bit)<br>SQL Server 2014 Standard and Enterprise (32- and 64-bit) |
| MAS Database (English only)            | SQL Server 2008 R2 Standard and Enterprise (64-bit)<br>SQL Server 2012 Standard and Enterprise, SP1 or later (64-bit)<br>SQL Server 2014 Standard and Enterprise (64-bit)                         |
| Operating System                       | Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)                                                                                                                         |
| SAS Series P-S (Recommended)           | Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)                                                                                                                         |
| SAS Series P-S (Supported)             | Windows Server 2008 R2 SP1 or later Standard and Enterprise (64-bit)                                                                                                                              |
| Operating System                       | Windows Server 2012 Standard and Windows Server 2012 R2 Standard (64-bit)                                                                                                                         |
| MAS                                    | Windows Server 2008 R2 SP1 or later Standard and Enterprise (64-bit)                                                                                                                              |
| Web Server                             | IIS v6.0 or higher for C•CURE 9000 Web Client, victor Web Service, and C•CURE Mobile                                                                                                              |

Maximum Concurrent SAS per MAS . . . . .20

Authentication . . . . .Windows Authentication on Domain and Trusted Domain

(6) For multiple screen display or other display applications, additional video cards required.  
(7) Languages supported with English OS with language pack, not native OS.

Supported Languages<sup>7</sup>

Arabic, Brazilian Portuguese, Czech, Danish, Dutch, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese and Turkish

Note: C•CURE 9000 has limited performance and support on 32-bit OS platforms with a minimum requirement of 4GB memory. For latest supported Service Pack for OS/DB, please consult the C•CURE 9000 version specific release notes.

## Related Products



C•CURE 9000  
SiteServer



C•CURE 9000  
Web Client



C•CURE Go



iSTAR Controllers

## Approvals

