SOFTWARE HOUSE

From Tyco Security Products

C•CURE 9000
Security and Event Management System

Features That Make a Difference:

- **NEW!** Support for MIFARE DESFire EV1/EV2 encoding for higher credential security
- Customizable access control workflows for more efficient management of access credentials with the C•CURE Portal
- Visitors can easily look up an appointment and register using a self-service kiosk (see C•CURE 9000 Visitor Management data sheet for additional details)
- Funnel card holder access after hours through a central entry point for visual identity by security personnel
- Allow users to add expiration dates to clearances in the personnel record reducing the need for multiple clearances to address temporary or various scheduled access
- Automate screening selection for airports and other high security areas with random screening feature
- Restrict access to sensitive areas to specific combinations of the number of card holders (n-person rule) with enforcement of a certain number from specific personnel groups (team rule)
- iSTAR Ultra support for IPv6 network protocol standards
- Open Supervised Device Protocol (OSDP) support for reader to panel communications on iSTAR Ultra Series controllers
- Supports up to 5,000 readers per single server and 40 Satellite Application Server scalability for Enterprise systems
- Enterprise multi-version software upgrades remain operational while progressively upgrading each server node without needing to take an entire system out of service
- Access to C•CURE 9000 directly from a computer with an Internet browser with C•CURE Web for the ultimate in portability
- Administer and monitor C•CURE 9000 remotely with C•CURE Go mobile app for iOS and Android
- Software House Connected Partner Program with access to Web Services API and SDK kits for supporting standards-based integrations

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, monitor system activity, view video and manage visitors 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 approach 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

C•CURE 9000 provides the ultimate in scalability from a single server supporting up to 5,000 readers and 500,000 credentials to an advanced distributed enterprise architecture that supports a master and up to 40 satellite application servers. Whether your organization consists of one facility with a few doors 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 v2.60

Deeper Dive: C•CURE 9000 Enterprise

Enterprise Architecture

The C•CURE 9000 Enterprise architecture supports one master application server (MAS) and up to 40 satellite application servers (SAS) for enterprise scalability up to 200,000 readers and 20,500,000 credentials managed under one system for management, monitoring and reporting.

Corporate security personnel and IT managers receive central control over the entire system, while each local facility maintains control of its individual operation. 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)[1]						
	MAS1	MAS2	MAS3	MAS4	MAS5	MAS6
Enabled Global Personnel Records[2]	1k	10k	25k	100k	250k	500k
Simultaneous Clients[3]	5/100	5/100	5/100	10/100	10/100	10/100
Badging Clients	1/100	1/100	1/100	2/100	2/100	2/100

C•CURE 9000 Standalone and SAS Values (Default/Maximum)[4]										
	L[5]	M[5]	N[5]	P[6]	Q[6]	R[6]	PLUS[6]	S[6]	S Plus[6]	T[6]
Online Readers	16	32	64	128	256	512	1,000	2,500	3,500	5,000
C•CURE Go Reader (Mobile)	0/10	0/10	0/10	0/30	0/30	0/30	0/30	0/30	0/30	0/30
Online Inputs	1k	1k	1k	5k/10k	5k/10k	5k/10k	5k/10k	10k	15k	20k
Online Outputs	1k	1k	1k	5k/10k	5k/10k	5k/10k	5k/10k	10k	15k	20k
Enabled Personnel Records	7k	12k	40k	45k	250k	250k	250k	500k	500k	500k
Concurrent Clients[3]	10/30	10/30	10/30	20/256	30/256	40/256	80/256	100/256	100/256	100/256
Concurrent Badging Clients	1/30	1/30	1/30	2/256	2/256	3/256	5/256	10/256	10/256	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 to be flexible and allow for 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 in addition to the SAS server local personnel records.

(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 to be flexible and allow for 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): An SQL Express license is shipped with every system software DVD package. Series P through S require a full SQL Server Standard or Enterprise (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	8GB Minimum
Network Adapter Card	Integrated Gigabit Network Port
DVD Drive	Recommended
Client Video Card	2GB NVIDIA Quadro K620
Operating System Support	Windows 7 SP1 Professional & Enterprise (64-bit) Windows 8.1 SP1 Professional & Enterprise (64-bit) Windows 10 Professional & Enterprise (64-bit) Windows Server 2008 R2 SP1 Standard & Enterprise (64-bit) Windows Server 2012 R2 SP1 Standard & Data Center (64-bit) Windows Server 2016 Standard & 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	16GB Minimum
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 Support (English Only)	SQL Server 2016 Express/Standard/Enterprise (64-bit) SQL Server 2014 (SP1 or later) Express/Standard/Enterprise (64-bit) SQL Server 2012 (SP3 or later) Express/Standard/Enterprise (64-bit, SP2 or later) SQL Server 2008 (R2 SP3 or later) Standard & Enterprise (64-bit, SP2 or later)
Operating System Support	Windows 7 SP1 Professional & Enterprise (64-bit) Windows 8.1 SP1 Professional & Enterprise (64-bit) Windows 10 Professional & Enterprise (64-bit) Windows Server 2008 R2 SP1 Standard & Enterprise (64-bit) Windows Server 2012 R2 SP1 Standard & Data Center (64-bit) Windows Server 2016 Standard & Enterprise (64-bit)
Web Server	IIS v7.0 or higher for C•CURE 9000 Web Client (Classic), C•CURE Go and victor Web Service

Note: IIS v8.0 is required to install C•CURE Web on the same machine as C•CURE 9000 Classic Web Client (Classic), C•CURE Go, victor Web Service or C•CURE Mobile

C•CURE 9000 Standalone Server Series P, Q, R, R+, S, S+, T 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	32GB Minimum
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 Support (English Only)	SQL Server 2016 Standard/Enterprise (64-bit) SQL Server 2014 (SP1 or later) Standard/Enterprise (64-bit) SQL Server 2012 (SP3 or later) Standard/Enterprise (64-bit) SQL Server 2008 (R2 SP3 or later) Standard & Enterprise (64-bit)
Operating System Support	Windows 10 Professional & Enterprise (64-bit) Windows Server 2008 R2 SP1 Standard & Enterprise (64-bit) Windows Server 2012 R2 SP1 Standard & Data Center (64-bit) Windows Server 2016 Standard & Enterprise (64-bit)
Web Server	IIS v7.0 or higher for C•CURE 9000 Web Client (Classic), C•CURE Go and victor Web Service

Note: IIS v8.0 is required to install C•CURE Web on the same machine as C•CURE 9000 Classic Web Client (Classic), C•CURE Go, victor Web Service or C•CURE Mobile

C•CURE 9000 SAS Server Series P, Q, R, R+, S, S+, T 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	32GB Minimum
Network Adapter Card	Intel Gigabit ET Quad Port Adapter, Gigabit Ethernet NIC, PCIe x4
DVD Drive	Recommended
Video Card	Integrated Video Subsystem[6]
Database Support (English Only)	SQL Server 2016 Standard/Enterprise (64-bit) SQL Server 2014 (SP1 or later) Standard/Enterprise (64-bit) SQL Server 2012 (SP3 or later) Standard/Enterprise (64-bit) SQL Server 2008 (R2 SP3 or later) Standard & Enterprise (64-bit)
Operating System Support	Windows Server 2008 R2 SP1 Standard & Enterprise (64-bit) Windows Server 2012 R2 SP1 Standard & Data Center (64-bit) Windows Server 2016 Standard & Enterprise (64-bit)
Web Server	IIS v7.0 or higher for C•CURE 9000 Web Client (Classic), C•CURE Go and victor Web Service

Note: IIS v8.0 is required to install C•CURE Web on the same machine as C•CURE 9000 Classic Web Client (Classic), C•CURE Go, victor Web Service or C•CURE Mobile

Maximum Concurrent SAS per MAS 40
Authentication . . . . .Windows Authentication on Domain and Trusted Domain

Supported Languages[7]
Arabic, Brazilian Portuguese, Czech, Danish, Dutch, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese and Turkish

(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.

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

GSA FIPS 201 APPROVED

CE

UL CERTIFIED

Microsoft Partner
Silver Independent Software Vendor (ISV)