

C•CURE 9000 v3.0

Security and event management system



Key features

- OSDP support for reader to panel communications on iSTAR Ultra Series controllers
- Supports up to 5,000 readers per single server and 60 satellite application server scalability for Enterprise systems
- Enterprise system remains operational throughout upgrade process with multi-version software support
- Access to C•CURE 9000 from any internet browser with C•CURE Web-based Client
- Administer and monitor C•CURE 9000 from your mobile device with C•CURE Go
- Software House Connected Partner Program for standards-based integrations
- Part of the Cyber Protection Program to reduce the risk of vulnerabilities

*See back page for new features

Powerful and flexible security management

The Software House 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-based 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 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
- Visitor Management portal gives you control of creating and managing visitor appointments



- Access Management offers a 24/7 solution for managing cardholder access requests without requiring direct involvement from the security team
- Intuitive Badging and Smart Card Enrolment
- 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 60 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 a myriad of integrated solutions including video, intrusion, intercom, fire alarm management, PSIM, and more. The integrations are thoroughly tested and delivered to you through the intuitive C•CURE 9000 interface.

Enterprise architecture

The C•CURE 9000 Enterprise architecture supports one master application server (MAS) and up to 60 satellite application servers (SAS) for enterprise scalability up to 200,000 readers and 500,000 credentials operated 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 – this reduces traffic to the MAS and optimizes 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 an 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 their 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.

Open integration platform to 30+ video partner technologies

Real-time monitoring capability is a response to the growing importance of video in access control systems. C•CURE 9000 integrates with a robust portfolio of more than 30 third-party video management systems including Johnson Controls' very own Exacq video management systems and American Dynamics DVRs/NVRs (VideoEdge, HDVR, Intellex). The integration with these video platforms provides real-time video monitoring and video playback as well as powerful video analytics such as motion detection, abandoned/removed, object detection, crowd formation, dwell, linger, direction, enter/exit area, color, and more.

All Johnson Controls video platform integrations are, by default, available with C•CURE 9000. Supported third-party video integrations with C•CURE 9000 may require additional optional licenses.



C•CURE 9000 standalone and Enterprise system capacities

| C•CURE 9000 MAS values (Default/Maximum) ¹ | | | | | | | |
|---|-------|-------|-------|--------|--------|--------|--------|
| | MAS1 | MAS2 | MAS3 | MAS4 | MAS5 | MAS6 | MAS7 |
| Enabled Global Personnel Records ² | 1k | 10k | 25k | 100k | 250k | 500k | 1000k |
| Simultaneous Clients ³ | 5/100 | 5/100 | 5/100 | 10/100 | 10/100 | 10/100 | 15/100 |
| Badging Clients | 1/100 | 1/100 | 1/100 | 2/100 | 2/100 | 2/100 | 3/100 |

| C•CURE 9000 Standalone and SAS values (Default/Maximum) ¹ | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|----------------|---------------------|----------------|
| | L ⁵ | M ⁵ | N ⁵ | P ⁵ | Q ⁶ | R ⁶ | R 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 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 |
| Online Inputs | 1k | 1k | 1k | 5k/10k | 5k/10k | 5k/10k | 7.5k/10k | 10k | 15k | 20k |
| Online Outputs | 1k | 1k | 1k | 5k/10k | 5k/10k | 5k/10k | 7.5k/10k | 10k | 15k | 20k |
| Enabled Local Personnel Records | 7k | 12k | 40k | 45k | 250k | 250k | 500k | 750k | 750k | 1000k |
| 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 |

¹Default is the value included with each license model. Maximum is the value that can be purchased and added to a system license up to that amount.

²Global personnel records at the MAS are synchronized to each SAS in an Enterprise system, but do not count against a SAS's local personnel record count.

³Simultaneous client or Concurrent client connections are tabulated by C•CURE 9000 Administration, Alarm Monitoring and Web-based 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.

⁵The 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 Q through T 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 Current Generation (3.2 GHz or greater) |
| Hard Disk Drive | 500 GB or greater. SSD is recommended. |
| Drive Speed | 7,200 RPM or greater |
| Memory | 8GB or greater |
| Network Adapter Card | Integrated Gigabit Network Port |
| DVD Drive | Recommended |
| Client Video Card | 2GB NVIDIA Quadro K620 |
| Operating System Support | Windows 10 Professional & Enterprise (version 1809 or higher) (64-bit) Windows 11 Professional & Enterprise (minimum version 21H2) Windows Server 2016 SP1 and higher (64-bit) Windows Server 2019 (64-bit) Windows Server 2022 (minimum version 21H2) |

C•CURE 9000 Standalone server series L, M, N, P

Recommended hardware and software

| | |
|---------------------------------|--|
| Processor | Intel Core i7 Current Generation (3.4 GHz or greater) |
| Hard Disk Drives | Dual drives: primary drive = 1TB or greater (9000 Runtime); secondary drive = 1TB or greater (data backups). SSD is recommended. |
| Drive Speed | 7,200 RPM or greater |
| Memory | 16GB or greater |
| 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 2014 (SP3 or later) Express (64-bit) SQL Server 2016 Express/Standard/Enterprise SP1 and higher (64-bit) SQL Server 2017 Express (64-bit) SQL Server 2019 Express/Standard/Enterprise (64-bit) |
| Operating System Support | Windows 10 Professional & Enterprise (version 1809 or higher) (64-bit) Windows 11 Professional & Enterprise (minimum version 21H2) Windows Server 2016 SP1 and higher (64-bit) Windows Server 2019 (64-bit) Windows Server 2022 (minimum version 21H2) |
| Web Server | IIS v8.0 or higher for C•CURE Web, 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 Go or victor Web Service.

C•CURE 9000 Standalone server series Q, R, R+, S, S+, T SAS server series L, M, N, P

Recommended hardware and software

| | |
|---------------------------------|--|
| Processor | Intel Xeon Quad-core E3 Current Generation (3.5 GHz or greater) |
| Hard Disk Drives | Dual drives: primary drive = 1TB or greater (9000 Runtime); secondary drive = 1TB or greater (data backups). SSD is recommended. |
| Drive Speed | 15,000 RPM or greater |
| Memory | 32GB or greater |
| 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 SP1 and higher (64-bit) SQL Server 2019 Standard & Enterprise (64-bit) |
| Operating System Support | Windows 10 Professional & Enterprise (version 1809 or higher) (64-bit) Windows 11 Professional & Enterprise (minimum version 21H2) Windows Server 2016 SP1 and higher (64-bit) Windows Server 2019 (64-bit) Windows Server 2022 (minimum version 21H2) |
| Web Server | IIS v8.0 or higher for C•CURE Web, 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 Go or victor Web Service.

C•CURE 9000 SAS server series Q, R, R+, S, S+, T MAS server

Recommended hardware and software

| | |
|----------------------------------|---|
| Processor | Intel Xeon Gold Current Generation, 8 core (3.0 GHz or greater) |
| Hard Disk Drives | Dual drives: primary drive = 1TB or greater (9000 Runtime); secondary drive = 1TB or greater (data backups). SSD is recommended. |
| 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 ⁷ |
| Database Support (English Only) | SQL Server 2016 Standard/Enterprise SP1 and higher (64-bit) SQL Server 2019 Standard & Enterprise (64-bit) |
| Operating System Support | Windows Server 2016 SP1 and higher (64-bit) Windows Server 2019 (64-bit) Windows Server 2022 (minimum version 21H2) |
| Web Server | IIS v8.0 or higher for C•CURE Web, C•CURE Go and victor Web Service |
| Maximum Concurrent SAS per MAS | 60 |
| Authentication | Windows Authentication on Domain and Trusted Domain |
| Supported Languages ⁸ | Arabic, Brazilian Portuguese, Czech, Danish, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and Turkish |

⁷For multiple screen display or other display applications, additional video cards required.

⁸Languages 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 4GB memory limitation) 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. SQL Server 2019 Express will be the default install for C•CURE 9000 v3.0. All SQL Server compatibility needs to be verified with TDE (Transparent Data Encryption) mode.

New features in C•CURE 9000 v3.0

| |
|--|
| Support for iSTAR Ultra G2 and iSTAR Ultra G2 SE door controllers with advanced embedded cybersecurity |
| C•CURE Web-based Client - Dynamic Access and Video Monitoring Views and Layouts, Swipe & Show, Health Dashboard, etc. (Phase III) |
| C•CURE ID HID SEOS and MIFARE DESFire EV1/EV2 support, for card encoding of multiple applications simultaneously (up to 5) |
| C•CURE Portal moved to the latest Angular web framework, meeting latest in cyber security |
| Email template customization for C•CURE Visitor Management and Access Management Workflow |
| As an option, C•CURE 9000 version 3.0 and later supports SQL database hosted by Amazon Relational Database Services (RDS) TM powered by Amazon Web Services (AWS) TM |

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit www.swhouse.com or follow [Software House](#) on LinkedIn, Twitter, and Facebook.

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