

C•CURE9000 and iSTAR Port Assignments



GPS0002-CE-20200511-EN

Rev B



Introduction

The port assignments in this document are valid for C•CURE 9000 2.90, iSTAR Ultra family firmware v6.6.0, iSTAR Pro firmware v5.2.x, and the iSTAR Edge/eX firmware v6.2.x. This document contains port information for C•CURE 9000 integrations. Use this document to set up firewalls. Ports are listed by the device that has the port open.

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C•CURE 9000 Server/victor Application Server (vAS)

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------|-------------|-------------------|---|--|--|
| 80 | TCP | Inbound Listening | Client | IIS for HTTP | Port for IIS, C•CURE web client. If IIS is installed on a different server, please make sure this Inbound listening port is opened for the IIS server. |
| 443 | TCP | Inbound Listening | Client | IIS for HTTPS | Port for IIS, C•CURE web client. If IIS is installed on a different server, please make sure this Inbound listening port is opened for the IIS server. |
| 500 | UDP | Inbound Listening | Web | IKEEXT svchost.exe | Windows service for IKE and AuthIP IP sec Keying modules. Required for operation of C•CURE. |
| 2800 | UDP and TCP | Inbound Listening | iSTAR | Host port for iSTAR driver | Host port for incoming non-encrypted iSTAR (Pro and Ultra) connections |
| 2801 | TCP | Inbound Listening | iSTAR | iSTAR Fast personnel download host port - | HOST port for non-encrypted fast personal download to iSTAR (Pro and Ultra) panels |
| 2802 | TCP | Inbound Listening | iSTAR | Fast image download host port (iSTAR Pro only) | location = vAS, Traffic Direction from vAS = inbound, Connection Initiate from iSTAR panels. Non-encrypted image download for iSTAR Pro. |
| 2804 | TCP | Inbound Listening | iSTAR Ultra (unencrypted or in Ultra SE Pro Mode) | Fast SQLite personal database download | HOST port for unencrypted fast SQLite personal download to iSTAR Ultra and Ultra SE (in Pro Mode) panels. |
| 2816 | TCP | Inbound Listening | iSTAR Ultra | Panel uploads personnel database file to host | Host port for unencrypted uploading SQLite personnel database file. |

C•CURE 9000 Server/victor Application Server (vAS)

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|---------------|----------|----------------------|---------------------------|------------------------------------|--|
| 3000 | TCP | Inbound Listening | C•CURE web | HTTP for C•CURE Web | This port is needed if C•CURE web server is installed on the same PC with C•CURE server. |
| 3001 | TCP | Inbound Listening | C•CURE web | HTTPs for C•CURE Web | This port is needed if C•CURE web server is installed on the same PC with C•CURE server. |
| 5984 | TCP | Inbound Listening | C•CURE Web couch DB | HTTP for C•CURE web DB | This port is needed if C•CURE web server is installed on the same PC with C•CURE server. |
| 7144- 7145 | TCP | Inbound Listening | EMC Replistor | EMC Replistor | For EMC Replistor failover/redundancy |
| 8005 | TCP | Inbound Listening | Windows | System Trace Viewer URI | System Trace Viewer URI |
| 8006 | TCP | Inbound Listening | Windows | Remote Hardware Interface List URI | Remote Hardware Interface List URI |
| 8042- 8045 | TCP | Inbound Listening | EMC Autostart | EMC AutoStart | For EMC AutoStart failover/redundancy |
| 8080 | TCP | Inbound Listening | Client | Tomcat6.exe | Communication from Assa Abloy DSR to C•CURE server. |
| 8085 | TCP | Inbound | Client | Auto Update | C•CURE 9000 software Auto Update for clients and SAS |

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------|----------|-------------------|-----------|--|--|
| | | Listening | | | from MAS |
| 8985 | TCP | Inbound Listening | iSTAR/vAS | Base address of driver service | location = Server Base for drivers for iSTAR, VideoEdge, Intellex, etc. used to drive communication |
| 8995 | TCP | Inbound Listening | SAS | Installation, upgrade and repair operations on MAS and SAS | For MAS and SAS installation, upgrade and repair communication between MAS and SAS, only required when SAS needs to be installed. MAS listens, SASs initiates the communication. |
| 8996 | TCP | Inbound Listening | Client | Crossfire service of web client session | location = vAS, Traffic Direction from vAS = inbound, Connection Initiate from 9000 Client. For clients to access C•CURE from web. |
| 8997 | TCP | Inbound Listening | Client | Admin / Monitor Client stream | Location = vAS, Traffic Direction from vAS = inbound, Connection Initiate from 9000 Client. Client access to administrative or monitor station of C•CURE |
| 8998 | TCP | Inbound Listening | Client | Crossfire service of HTTP client session | Location = vAS, Traffic Direction from vAS = inbound, Connection Initiate from 9000 Client. For HTTP of crossfire for client session |

C•CURE 9000 Server/victor Application Server (vAS)

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------|----------|-------------------|-------------|--|--|
| 8999 | TCP | Inbound Listening | Client | Crossfire service of TCP client session | Location = vAS, Traffic Direction from vAS = inbound, Connection Initiate from 9000 Client. For crossfire service of TCO client session. |
| 8999 | TCP | Inbound Listening | MAS and SAS | Installation, upgrade and repair operations on MAS and SAS | For MAS and SAS installation, upgrade and repair communication between MAS and SAS |
| 9090 | TCP | Inbound Listening | DSR | CrossFireAssaAbloyDriverService | Communication from C•CURE to DSR server. |
| 9701 | TCP | Inbound Listening | iSTAR Ultra | LightTPD.exe | iSTAR Ultra download firmware. |
| 27000 | TCP | Inbound Listening | vAS | TycoESS License software | Location = vAS, traffic direction from vAS = inbound, Connection initiate from vAS/9000 Client. Used for verifying licenses with Software House. Services and applications that utilize TycoESS are vAS, C•CURE 9000License.exe, LicenseManager.exe and Crossfire Framework Service |
| 27010 | UDP | Inbound Listening | vAS | TycoESS – License Vendor Daemon | For multiple licenses. Services and applications that utilize TycoESS are vAS, C•CURE 9000License.exe, LicenseManager.exe and Crossfire Framework Service. |

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------|----------|-------------------|-------------|---|---|
| 28001 | TCP | Inbound Listening | iSTAR | iSTAR eX/Edge/Ultra Fast personnel download connection | location = vAS, traffic direction from vAS = inbound, Connection initiate from encrypted iSTAR panels |
| 28002 | TCP | Inbound Listening | iSTAR | iSTAR eX/Edge firmware download | location = vAS, traffic direction from vAS = inbound, Connection initiate from encrypted iSTAR panels |
| 28003 | TCP | Inbound Listening | iSTAR | iSTAR eX/Edge/Ultra Used by host to accept eX or Edge request for certificate signing | location = vAS, traffic direction from vAS = inbound, Connection initiate from encrypted iSTAR panels |
| 28004 | TCP | Inbound Listening | iSTAR | Encrypted iSTAR Ultra SQL Lite database download | location = encrypted iSTAR Panels, traffic direction from vAS = outbound, connection initiate from vAS |
| 28010 | TCP | Inbound Listening | iSTAR | Host port for incoming encrypted iSTAR connections | Port used by Stunnel on server for incoming iSTAR panel connection. Stunnel is the secure encrypted wrapper for communication between C•CURE 9000 server and iSTAR panels. Uses Edge G2 with TLS 3.0. |
| 28016 | TCP | Inbound Listening | iSTAR Ultra | Panel uploads personnel database file to host | Host port for encrypted uploading SQLite personnel database file. |

iSTAR Edge/eX

| Port/Range | Protocol | Direction | Initiator | Process/ Service | Description |
|------------|----------|-------------------|-----------|------------------|---|
| 80 | TCP | Inbound Listening | Web | HTTP | Web connection used for diagnostic website. Port is closed in FIPS mode. Only necessary for diagnostics |

iSTAR Edge/eX

| Port/Range | Protocol | Direction | Initiator | Process/ Service | Description |
|------------|----------|----------------------|-------------------------------|----------------------------------|---|
| 1999 | TCP | Inbound Listening | iSTAR members, ICU | Configuration | iSTAR port for incoming ICU requests. |
| 2008 | TCP | Inbound Listening | PC running iWATCH | iWATCH | iWATCH connection port. Not open by default, but can be enabled via webpage diagnostics settings. |
| 28003 | TCP | Inbound Listening | Encrypted iSTAR members | encryption | Used to accept signed certificate for encryption. |
| 28009 | TCP | Inbound Listening | encrypted iSTAR | Cluster member | iSTAR port for incoming encrypted member requests |
| 1025 -5000 | TCP | Outbound | iSTAR Edge/eX | iSTAR to C•CURE communication | This port number is generated during boot up and is the Stunnel communication for C•CURE 9000 server [port 28010 (Stunnel)]. Stunnel is the secure encrypted wrapper for communication between C•CURE 9000 server and iSTAR panels. |
| 2001 | UDP | Inbound Listening | ICU | discovery | iSTAR port for ICU broadcasts |
| 1025 | UDP | Inbound Listening | vAS | Windows DNS | Windows DNS, a function of the Windows operating system on the iSTAR which resolves domain names. This port cannot be closed, but is not part of the iSTAR function. Customer can block this port via network firewall. |
| 161 | UDP | Inbound Listening | vAS | SNMP | Protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior. |

| Port/Range | Protocol | Direction | Initiator | Process/ Service | Description |
|------------|----------|----------------------|-----------|------------------|---|
| 137 | UDP | Inbound Listening | vAS | NetBIOS-NS | NetBIOS Name Service. This is a function of Windows and cannot be closed, but is not required for iSTAR operation. |
| 138 | UDP | Inbound Listening | vAS | NetBIOS-DS | NetBIOS Datagram Service. This is a function of Windows and cannot be closed, but is not required for iSTAR operation. Customer can block this port via network firewall. |

iSTAR Pro

| Port/Range | Protocol | Direction | Initiator | Process/ Service | Description |
|------------|----------|----------------------|--------------------------|------------------|---|
| 80 | TCP | Inbound Listening | Web | HTTP | Web connection used for diagnostic website. Port is closed in FIPS mode. Only necessary for diagnostics |
| 1999 | TCP | Inbound Listening | iSTAR members, ICU | Master | iSTAR master port for incoming non-encrypted member connections, plus incoming ICU requests |
| 2008 | TCP | Inbound Listening | PC running iWATCH | iWATCH | iWATCH connection port. Not open by default, but can be enabled via webpage diagnostic settings |
| 2001 | UDP | Inbound Listening | ICU | discovery | iSTAR port for ICU broadcasts |
| 161 | UDP | Inbound Listening | vAS | SNMP | Protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior. |

iSTAR Ultra, iSTAR Ultra SE, iSTAR Ultra LT

| | | | | | |
|-------------|-----|-------------------|-----------|-------------------------------|---|
| 1025 | UDP | Inbound Listening | vAS | Windows DNS | Windows DNS, a function of the Windows operating system on the iSTAR which resolves domain names. This port cannot be closed, but is not part of the iSTAR function. Customer can block this port via network firewall. |
| 1025 - 5000 | TCP | Outbound | iSTAR Pro | iSTAR to C•CURE communication | This port number is generated during boot up. |

iSTAR Ultra, iSTAR Ultra SE, iSTAR Ultra LT

Note: iSTAR Ultra SE Pro Mode doesn't support encryption.

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------|----------|-------------------|----------------------------------|-----------------|---|
| 161 | UDP | Inbound Listening | vAS | SNMP | Protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior. |
| 443 | TCP | Inbound Listening | Web | HTTPs | Secure web connection used for diagnostic website. Port is closed in FIPS mode. Only necessary for diagnostics |
| 1999 | TCP | Inbound Listening | Non-encrypted iSTAR members, ICU | Master | iSTAR master port for incoming non-encrypted member connections, plus incoming ICU requests. |
| 2001 | UDP | Inbound Listening | ICU | discovery | iSTAR port for ICU broadcasts |
| 2008 | TCP | Inbound Listening | PC running iWATCH | iWATCH | iWATCH connection port. Not open by default, but can be enabled via webpage diagnostic settings |
| 2900 | TCP | Inbound Listening | IP-ACM | Communication | iSTAR Ultra GCM listening port for IPACM proprietary encrypted connection |
| 2901 | TCP | Inbound Listening | IP-ACM2 | Communication | iSTAR Ultra GCM listening port for IPACM2 SSL encrypted connection with default certificate/key. |

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|-------------|----------|-------------------|-------------------------|-------------------------------|---|
| 2902 | TCP | Inbound Listening | IP-ACM2 | Communication | iSTAR Ultra GCM listening port for IPACM2 SSL encrypted connection with default certificate/key. |
| 28003 | TCP | Inbound Listening | Encrypted iSTAR members | encryption | Used to accept signed certificate for encryption. |
| 28009 | TCP | Inbound Listening | Encrypted iSTAR | iSTAR Member | iSTAR Ultra incoming encrypted member connection port |
| 30000-61000 | TCP | Outbound | iSTAR Ultra/SE/LT | iSTAR to C•CURE communication | This port number is generated during boot up and is the Stunnel communication for C•CURE 9000 server [port 28010 (Stunnel)]. Stunnel is the secure encrypted wrapper for communication between C•CURE 9000 server and iSTAR panels. |

iSTAR Ultra Video

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|---|------------|----------|-------------------|---|-----------------|--|
| iSTAR Ultra Video VideoEdge iSTAR Ultra | 80 | TCP | Inbound Listening | iUV Web client, VideoEdge web client | HTTP | Web service for the iSTAR diagnostic site, iSTAR Ultra Video site and VideoEdge remote client |
| iSTAR Ultra Video VideoEdge | 443 | TCP | Inbound Listening | iUV Web client, VideoEdge web client | HTTPS | Protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior |
| VideoEdge | 554 | TCP | Inbound Listening | Camera | RTSP | Camera video streaming connections |

iSTAR Ultra Video

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------|------------|----------|-------------------|----------------------------------|------------------|--|
| iSTAR Ultra | 1999 | TCP | Inbound Listening | Non-encrypted iSTAR members, ICU | Master | iSTAR master port for incoming non-encrypted member connections, plus incoming ICU requests. |
| iSTAR Ultra | 2900 | TCP | Inbound Listening | IP-ACM | Communication | Communication between the IP-ACM and iSTAR Ultra family GCM |
| iSTAR Ultra | 2901 | TCP | Inbound Listening | IP-ACM2 | Communication | Used for SSL encrypted communication between the IP-ACM2 and iSTAR Ultra family GCM |
| iSTAR Ultra | 2902 | TCP | Inbound Listening | IP-ACM2 | Communication | Reserved for enhanced SSL communication between the IP-ACM2 and iSTAR Ultra family GCM |
| VideoEdge | 3389 | TCP | Inbound Listening | RCP client | RDP | XRDP |
| VideoEdge | 55555 | TCP | Inbound Listening | Internally Used | Transmit Manager | Transmit manager - not used externally |
| VideoEdge | 25 | TCP | Inbound Listening | mail server | SMTP | SMTP |
| VideoEdge | 68 | UDP | Inbound Listening | DHCP server | DHCP | Obtaining dynamic IP address (DHCP) |
| VideoEdge | 123 | UDP | Inbound Listening | NTP (time server) | NTP | NTP |

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------|------------|----------|-------------------|-----------------------------------|-----------------|---|
| VideoEdge | 161 | UDP | Inbound Listening | SNMP manager | SNMP | SNMP |
| VideoEdge | 162 | UDP | Inbound Listening | SNMP manager | SNMP | SNMP Trap |
| VideoEdge | 623 | UDP | Inbound Listening | Remote control (should be closed) | RPC | RPC - standard Linux open port |
| VideoEdge | 1900 | UDP | Inbound Listening | Any | UPnP | UPnP |
| VideoEdge | 1900 | SSDP | Inbound Listening | Any | AD discovery | veAutoDiscSSDP - Discovery of devices, close after setup |
| VideoEdge | 2980 | UDP | Inbound Listening | Any | AD discovery | veAutoDiscScan - Discovery of devices, close after setup |
| VideoEdge | 3702 | UDP | Inbound Listening | Web Server/Any | AD discovery | veAutoDiscovery WSDiscovery - Discovery of devices, close after setup |
| VideoEdge | 5353 | UDP | Inbound Listening | Any | AD discovery | veAutoDiscMDNS - Discovery of devices, close after setup |
| VideoEdge | 5432 | TCP | Inbound Listening | SQL | Postgresql | Postgresql |
| VideoEdge | 5800-5803 | TCP | Inbound | remote unit | VNC | Java-enabled web browser VNC server |

iSTAR Ultra Video

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------|--------------|----------|-------------------|------------------|---------------------------------|--|
| | | | Listening | | | |
| VideoEdge | 5900-5903 | TCP | Inbound Listening | remote unit | VNC | VNC server |
| VideoEdge | 8848 | UDP | Inbound Listening | Any | AD discovery | veAutodiscoveryADPort - Discovery of devices, close after setup |
| VideoEdge | 8992 | UDP | Inbound Listening | Any | AD discovery | veAutoDiscADScanPort - Discovery of devices, close after setup |
| VideoEdge | 12345 | UDP | Inbound Listening | Any | AD discovery | veAutoDiscADPo - Discovery of devices, close after setup |
| VideoEdge Client | 32200 -38199 | UDP | Outbound | VideoEdge server | victor Client UDP communication | Default VideoEdge UDP port range (for victor client connections) |
| VideoEdge Client | 32200-38199 | UDP | Outbound | VideoEdge server | AD discovery | veAutoDiscMDNS - Discovery of devices, close after setup |
| VideoEdge Client | 32200-38199 | UDP | Outbound | VideoEdge server | AD discovery | veAutoDiscScan - Discovery of devices, close after setup |
| VideoEdge Client | 32200-38199 | UDP | Outbound | VideoEdge server | AD discovery | veAutoDiscSSDP - Discovery of devices, close after setup |
| VideoEdge Client | 32200-38199 | UDP | Outbound | VideoEdge server | UPnP | VideoEdgeupnpn |

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|-------------------------|-------------|----------|-------------------|-------------------------------|---------------------------------|--|
| VideoEdge Client | 32200-38199 | UDP | Outbound | VideoEdge server | AD discovery | veAutoDiscSSD - Discovery of devices, close after setup |
| VideoEdge Client | 32200-38199 | UDP | Outbound | VideoEdge server | AD discovery | veAutoDiscWSDi - Discovery of devices, close after setup |
| VideoEdge Client/Camera | 6000-7999 | UDP | Outbound | VideoEdge server | RTP/RTCP | RTP/RTCP |
| VideoEdge Client/Camera | 9000-9511 | UDP | Outbound | VideoEdge server | Multicast | multicast port range |
| Failover NVR | 9000-9128 | TCP | Outbound | NVR | Remote Transcoding and Failover | Remote Transcoding and Failover |
| iSTAR Ultra | 2001 | UDP | Inbound Listening | ICU | discovery | iSTAR port for ICU broadcast |
| iSTAR Ultra | 2008 | TCP | Inbound Listening | PC running iWATCH | iWATCH | iWATCH connection port |
| iSTAR Ultra | 28009 | TCP | Inbound Listening | Encrypted iSTAR | iSTAR Member | iSTAR Ultra incoming encrypted member connection port |
| iSTAR Ultra | 28003 | TCP | Inbound Listening | Encrypted iSTAR Ultra members | Certificate signing | Used to accept signing for certificate for encryption |

IP-ACM

| Port/Range | Protocol | Direction | Initiator | Process/ Service | Description |
|------------|----------|----------------------|-----------|------------------|--|
| 80 | TCP | Inbound Listening | Web | HTTP | Web connection used for configuration and diagnostics. |

IP-ACM2

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------|----------|-------------------|-----------|-----------------|---|
| 443 | TCP | Inbound Listening | Web | HTTPS | Secure Web connection used for configuration and diagnostics. |

Innometriks

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|---------------------|------------|----------|----------------------|-------------------|----------------------|--|
| Panel Server | 5002, 5050 | TCP | Inbound Listening | vAS | PanelServer.exe | Communication between ID Server and C•CURE panel, as well as to GCM. |
| Enrollment Server | 8000 | TCP | Inbound Listening | Enrollment Server | EnrollmentServer.exe | HTTPS port used for incoming enrollments from C•CURE FICAM client. |
| Enrollment Server | 8001 | TCP | Inbound Listening | Enrollment Server | EnrollmentServer.exe | HTTP port used for incoming enrollments from C•CURE FICAM client. |
| C•CURE Server (VAS) | 5002, 5050 | TCP | Inbound Listening | ID Server | | ID Server to Innometriks C•CURE Panel Service |
| ID Server | 80 | TCP | Inbound Listening | Web Client | | IDS Web Management page |

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------|------------|----------|-------------------|---------------------|-----------------|---|
| ID Server | 8000,8001 | TCP | Inbound Listening | C•CURE Server (VAS) | | C•CURE Enroll Service to IDS Enrollment |
| SQL Server | 443 | TCP | Inbound Listening | C•CURE Server (VAS) | | Innometriks Enroll Service to FICAM Database in SQL |

SQL Server

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------|------------|----------|-------------------|--------------------------|--------------------|--|
| SQL Server | 1433 | TCP | Inbound listening | VAS or other SQL Clients | SQL Server | SQL Server default port used for communication between the C•CURE Application Server and the Database Server. Please contact your Database Administrator for the exact ports used. |
| SQL Server | 1434 | UDP | Inbound listening | VAS or other SQL Clients | SQL Server Browser | SQL Server Browser Service default port for Dynamic port discovery on the Database Server only if SQL Browsing Services are being used. Please contact your Database Administrator for the exact ports used. |

For addition server information refer to <https://docs.microsoft.com/en-us/sql/sql-server/install/configure-the-windows-firewall-to-allow-sql-server-access>.

ICU

| Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------|----------|-------------------|-----------|-----------------|--|
| 2801 | TCP | Inbound Listening | iSTAR | Configuration | ICU host port for iSTAR configuration updates (this port can be changed in ICU). |

Other Components

| | | | | | |
|------|-----|-------------------|--------------------|--------------|--|
| 2001 | UDP | Inbound Listening | iSTAR | Discovery | Listening port for iSTAR broadcast. |
| 2910 | UDP | Inbound Listening | IP-ACM and IP-ACM2 | Discovery | Listening port for IP-ACM broadcast and IP-ACM2 broadcast. |
| 9701 | TCP | Inbound Listening | iSTAR | ICU/LightTPD | Server port for FW download to iSTAR Ultra |

Other Components

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------------------|------------|----------|-------------------|-------------------------|---|--|
| everRun Server | 22 | TCP | Inbound Listening | everRun client | SSH/everRun Stratus Customer Support node Access | This port is open so that Stratus redundancy solution support can access the system via a collaboration session during a support call |
| everRun Server | 53 | UDP | Inbound Listening | everRun client | SSH/everRun Active Directory | Connection to the active directory for everRun Stratus redundancy solution |
| everRun Server | 80 | TCP | Inbound Listening | everRun client | everRun IIS | everRun IIS port (required to be open) for Stratus redundancy solution |
| everRun Server/ArcServe server | 135 | UDP | Inbound Listening | everRun/ArcServe client | ArcServe RHA Control service server and the engine server | Used by many programs and protocols. RHA specifically uses it for the remote installer. This is also used by the Microsoft EPMAP (End Point Mapper) which is the DCE/RPC locator service used to remotely manage services such as DHCP servers. This is for Stratus redundancy solution. |

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------------------|------------|----------|-----------------------------|-------------------------|---|---|
| everRun Server/ArcServe server | 137 | UDP | Inbound Listening | everRun/ArcServe client | ArcServe RHA Control service server and the engine server | NetBIOS Name Service - Windows CIFS/SMB protocol family – used by RHA remote installer. This is for Stratus redundancy solution |
| everRun Server/ArcServe server | 138 | UDP | Inbound Listening | everRun/ArcServe client | ArcServe RHA Control service server and the engine server | NetBIOS Datagram Service - Windows CIFS/SMB protocol family – used by RHA remote installer. This is for Stratus redundancy solution. |
| NTP server | 123 | UDP | Inbound Listening, Outbound | vAS/C•CURE Client | Time Synchronization | For time synchronization. |
| everRun Server | 443 | TCP | Inbound Listening | everRun Web client | everRun HTTPS Communications | HTTPS Port for SSL connections with C•CURE Go Stratus (everRun) communication. If IIS is installed on a different server, please make sure this Inbound listening port is opened for the IIS server. This is for Stratus redundancy solution. |
| LDAP Server | 389 | TCP | Inbound Listening | vAS, LDAP Clients | LDAP | LDAP which is used to synchronize C•CURE database with other databases (non-C•CURE). It allows other databases, such as human resources information, to download information |
| VideoEdge NVR | 554 | TCP | Inbound Listening | vAS, VideoEdge Client | RTSP stream | VideoEdge NVR Live Port |

Other Components

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------|------------|----------|-------------------|-----------------|--|--|
| ArcServe server | 1025 | TCP | Inbound Listening | ArcServe client | ARCSERVE RHA Control service center Windows DNS | Windows active directory port, RHA connects to AD to discover some Windows domain configuration/settings and resources to be replicated (Exchange servers, DNS server, etc.) |
| Sur-Guard | 1025 | TCP | Inbound Listening | vAS | Sur-Guard | Sur-Guard communication |
| everRun Server | 2188-2189 | TCP | Inbound Listening | everRun client | everRun quorum service computers and XenServer hosts | Stratus redundancy solution everRun quorum service computers and XenServer hosts |
| Assa Abloy DSR | 2571 | TCP | Inbound Listening | vAS | CrossFireAssaAbloyDriverService | Assa Abloy Lock communication to the DSR. |
| Intellex Server | 5000 | TCP | Inbound Listening | vAS | Intellex Base | Intellex Base |
| Intellex Server | 5001 | TCP | Inbound Listening | vAS | Intellex Live | Intellex Live |
| Intellex Server | 5003 | TCP | Inbound Listening | vAS | Intellex Alarm | Intellex Alarm |
| ISC | 5000 | TCP | Inbound Listening | vAS | ISC Controller communication | ISC Controller communication, alternative 6000 port. ISC is not supported in C•CURE 9000 v2.30 or later. |

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------|------------|----------|-------------------|-----------------------|--------------------------------|--|
| ISC | 5001 | TCP | Inbound Listening | vAS | ISC Controller communication | ISC Controller communication, alternative 6001 port. ISC is not supported in C•CURE 9000 v2.30 or later. |
| ISC | 5002 | TCP | Inbound Listening | vAS | ISC Controller communication | ISC Controller communication, alternative 6002 port. ISC is not supported in C•CURE 9000 v2.30 or later. |
| VideoEdge NVR | 80 | TCP | Inbound Listening | vAS, VideoEdge Client | VideoEdge NVR Admin/Alarm Port | VideoEdge NVR Admin/Alarm Port |
| ISC | 5003 | TCP | Inbound Listening | vAS | ISC Controller communication | ISC Controller communication, alternative 6003 port. ISC is not supported in C•CURE 9000 v2.30 or later. |
| ISC | 5025 | TCP | Inbound Listening | vAS | ISC Point Change Port | ISC Point Change Port. ISC is not supported in C•CURE 9000 v2.30 or later. |
| ISC | 5026 | TCP | Inbound Listening | vAS | ISC Version Attendance Port | ISC Version Attendance Port. ISC is not supported in C•CURE 9000 v2.30 or later. |
| everRun server | 5900 | TCP | Inbound Listening | everRun client | VNC with Linux VMs | Stratus Redundancy solution everRun communication for failover/redundancy |
| Bosch | 7800 | UDP | Inbound Listening | vAS | Bosch | Bosch receiver port |
| Bosch | 7900 | UDP | Inbound Listening | vAS | Bosch | Bosch receiver port |
| everRun server | 8080-8081 | TCP | Inbound Listening | everRun client | everRun eAC | Stratus Redundancy solution everRun eAC communication for failover/redundancy |

Other Components

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|------------------------|---------------|----------|-------------------|---|---------------------------------|---|
| Assa Abloy DSR | 9090 | TCP | Inbound Listening | vAS | CrossFireAssaAbloyDriverService | Communication from C•CURE to DSR server. |
| Lantronix | 10001-10002 | TCP | Inbound Listening | DSC serial through Lantronix and Simplex 4100U serial through Lantronix | serial | DSC serial through Lantronix and Simplex 4100U serial through Lantronix |
| HDVR | 22609 | TCP | Inbound Listening | vAS | HDVR Admin/Line/Alarm Port | HDVR Admin/Line/Alarm Port |
| MZX | 47808 | UDP | Inbound Listening | vAS | MZX | MZX fire detection integration |
| Honeywell Galaxy panel | 10001 - 10002 | TCP | Inbound Listening | vAS | Galaxy | Honeywell Galaxy Panel |
| DSC PowerSeries | 3072 | TCP | Inbound Listening | vAS | ITV2 | ITV2 – DSC PowerSeries Neo |
| TOA Server | 5001 | TCP | Inbound Listening | vAS | TOA | TOA Intercom server |
| Commend Server | 3001 | TCP | Inbound Listening | vAS | Commend | Commend Intercom server |
| KONE Elevator | 2004-2005 | TCP | Inbound Listening | vAS | KONE Elevator | KONE Elevator |

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|-----------------------|---|----------|----------------------|-----------|-----------------------|----------------------------|
| Otis Elevator | 45303, 45307, 45308, 46307, 46308, 47307 | UDP | Inbound Listening | vAS | Otis Elevator | Otis Elevator |
| ThyssenKrupp Elevator | 8038-8041 | UDP | Inbound Listening | vAS | ThyssenKrupp Elevator | ThyssenKrupp Elevator |
| BACNet controller | 47808 | TCP | Inbound Listening | vAS | BACNet | BACNet Building Management |
| Elpas | 1001 | TCP | Inbound Listening | vAS | Elpas | Elpas real time location |
| Schindler Elevator | 4040, 5050 | TCP | Inbound Listening | vAS | Schindler Elevator | Schindler Elevator |
| CEM CDC Server | 30000 | TCP | Inbound Listening | vAS | CEM | CEM Access Control |
| Entrapass Server | 8801 | TCP | Inbound Listening | vAS | Entrapass | Entrapass Access Control |
| 3VR Recorder | 8080 | TCP | Inbound Listening | vAS | 3VR | 3VR video recorder |

Other Components

| Destination System | Port/Range | Protocol | Direction | Initiator | Process/Service | Description |
|--------------------------|------------|----------|-------------------|-----------|-----------------|--------------------------------|
| Bosch Recorder | 80 | TCP | Inbound Listening | vAS | Bosch Video | Bosch video recorder |
| Matrix Recorder | 8016 | TCP | Inbound Listening | vAS | Matrix Video | Matrix video recorder |
| Dedicated Micro Recorder | 80 | TCP | Inbound Listening | vAS | Dedicated Micro | Dedicated Micro video recorder |
| Mastermind System | 5050 | TCP | Inbound Listening | vAS | Mastermind | Mastermind Alarm Management |