Features

The TrueSite Incident Commander features 4100ES mounting for the Simplex® TrueSite Workstation and is compatible with ES Net and 4120 Network. It has the following features:

- The all-in-one touchscreen computer or monitor mounts in a 4100ES cabinet and is powered from the fire alarm system power supply, including battery backup
- 4100ES mounting with battery brackets for seismic area protection
- High-resolution touchscreen monitor
- Includes Windows® 10 Enterprise 64-bit
- A hinged mounting bracket for convenient service access
- Available for desktop use operating at 120 VAC with an included power supply module

TrueSite Incident Commander function summary

- Simplex fire alarm network connected graphical interface control
- Connects to the Simplex fire alarm network as a node for access to remote control unit activity status, and for a Mass Notification System event or a fire alarm event. You can use it to control remote control unit activity over the fire alarm network.
- Multiple TCP/IP, LAN/WAN connections are available. You can connect up to 20 remote clients on a 4120 network, or 60 remote clients on an ES Net network, to the server for multiple remote users. With dedicated and listed Fire Alarm LAN equipment, listed remote clients can have control access
- Color graphical annunciation and control capacity for up to 250,000 ES Net network points or up to 100,000 4120 network points. See ES Net version compatibility and 4120 version compatibility for additional details
- Third-party interface open-architecture solution for enhanced information access for advanced users
- Available optional connections for printers or other compatible systems
- With dual monitor support you can display the Alarm List window on one monitor, and the Graphics window on the other
- The server is compatible with Windows 10 Professional or Enterprise. The server is also compatible with Windows 11 Professional but this is not UL listed
- Clients are compatible with Windows 11 Home, Professional, and Enterprise, and Windows 10 Home, 32-bit and 64-bit for all options

Interface

- You can display standard fire service annunciation icons to provide firefighters and first responders with critical fire response information
- You can display custom alarm and system messages to guide emergency responders
- You can choose between floatable windows or fixed dockable windows.
- You can display temperatures in Fahrenheit or Celsius

Security

- Password security supports 8 to 16 alphanumeric passwords with configurable lockout
- Multiple password-controlled operator levels
- Compatible with McAfee Total protection version 16.0 R48 and Norton 360 Deluxe version at 22.22.7.14

Backup

- You can configure the Backup Utility to automatically back up specified directories, including TSW job data, to the secondary hard drive. The Backup Utility is available to systems that do not use RAID.
- With RAID 1 support you can generate a real-time mirror image on a secondary hard drive for enhanced life-safety workstation survivability. RAID support is available to systems that do not use the Backup Utility.

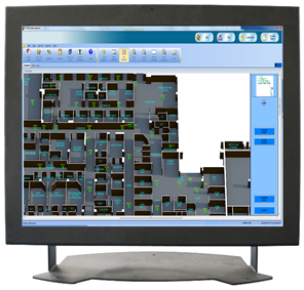
Logging

- You can log up to 500,000 events with operator notes
- You can filter historical logs with the DACR account filter
- You can log operator notes associated with individual events for historical records and retrieval
- You can schedule automatic reports and historical log backups. You can select to save, print, or email the automatic report or historical log backup and you can create up to ten scheduled tasks.

Figure 1: TrueSite Incident Commander mounted in bay two of a 4100ES control unit, shown with master controller



Figure 2: Desktop TrueSite Incident Commander



Graphic screens

- You can pan-and-zoom for precise navigation
- You can use configurable coverage zones to highlight areas of activity in user defined zones
- You can use auto-jump to jump to a view of a graphic or alarm list menu

Additional Incident Commander system features

- You can use the TrueSite workstation mobile client to access system information on compatible iOS and Android devices.
- You can use the export to XML feature to export TrueSite Workstation data for report generation and customization.

*Refer to Product Selection tables for specific product listing details. CSFM Listing: 7300-0026:323. Additional listings may be applicable, contact your local product supplier for the latest status.

- You can use test mode to test selective devices without nuisance interruptions.
- You can use node name to include a description of the specific building or area associated with a point in views and reports.
- You can vector information to supervised remote clients. Select by point, event category, control unit, or custom list
- You can use email generation to send updates to individuals or to distribution lists with selectable content
- You can use WAV sound files to create custom audible status annunciation with agency-listed desktop PC models 4190-7037 and 4190-7039.
- You can use the optional interface to digital alarm communicator receiver (DACR) to integrate multiple systems onto a single Incident Commander.
- You can use the web browser command link to call an external web page or link, including web-cam, with a single command.
- With the software maintenance agreement (SMA), you can access new software features, and cyber-security and compatibility updates. The first year is included with a new system, with an option to renew.

Listings information

- UL 864 as Fire Alarm Control Unit Annunciator (UOXX.S771)
- UL 864 as Fire Alarm Proprietary Supervising Station Control Unit (UOJZ.S771)
- UL 864 as Firefighter Smoke Control Station (UUKL.S771)
- UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771)
- UL 2572 as Mass Notification System Supervising Station Control Unit (PGWM.S771, PGWM.S232), see Mass notification systems reference for details.
- ULC-S527 as Fire Alarm Control Unit Annunciator (UOXX7.S771)
- ULC-S527, Commercial Supervising Control Unit (UOJZ7.S771)
- ULC/ORD-C100, Smoke Control System Equipment for Canada (UUKL7.S771)
- ULC/ORD-C1076, Proprietary Alarm System Annunciator (APOU7.S771)
- ULC-S559, Central Station Fire Alarm System Receiving Station (DAYR7.S771)

Simplex fire alarm network capabilities

- Multiple TrueSite Incident Commanders and TrueSite workstations can be nodes on the same fire alarm network to provide redundant operations for improved survivability
- Standard fire alarm network connection for wired or fiber optic media
- You can connect to up to seven separate network loops, with 4120 limited to a maximum of two loops
- Graphical network diagnostic tools
- With Set-Host service functions you can access remote network node data including individual TrueAlarm analog sensors
- With compatible printers you can print events. You can view or print status and service reports, TrueAlert self-test reports, and graphic screens
- Refer to ***Fire Alarm Network Annunciators TrueSite Workstations Version 6.05 (S4190-0016)*** for additional operation detail
- You can use PanelNet Class X, redundancy, with the latest ES Net card firmware when a TSW node is present

Description

The TrueSite Incident Commander is an all-in-one TrueSite Workstation package that includes a touchscreen computer, monitor, hard drive, and required input/output connections in a single assembly. You can install the TrueSite Incident Commander within a 4100ES fire alarm control unit (FACU) or remote annunciator with power supplied from the fire alarm power supply and secondary batteries. You can also use the all-in-one computer for desktop applications, this requires separate AC power.

Network Annunciation

TrueSite Incident Commanders provide annunciation, status display, and control for Simplex Fire Alarm Networks using a personal computer based graphical interface with a high resolution, color display. Response buttons with realistic icons provide control switches specific to the operation being performed.

Remote Clients

For remote viewing of TrueSite Incident Commander Server information, remote clients are available and connected using TCP/IP LAN/WAN Ethernet communications. As discussed in Server or client operation, Remote Clients can be annunciation only, or capable of system control when configured with agency listed hardware.

DACR Compatible

For systems requiring information from remote control units through DACTs (Digital Alarm Communicator Transmitters), Incident Commanders can be equipped to communicate directly with a compatible DACR. Refer to ***TrueSite DACR Interface Option (S4190-0028)*** for more DACR details.

TrueSite Incident Commander operation

When fire alarm network status changes occur, the screen displays the type and location of the alarm, or other activity, and the appropriate header buttons appear. In the historical log screen, as displayed in Figure 3, the Fire, Priority 2, Supervisory, and Trouble buttons appear with an active Trouble indicated.

Sample screens

Figure 3 shows an example of a historical view screen. Figure 4 shows an example of a system graphic screen with icons that represent the devices of interest. You can configure screen choices for each system preference, however, you can display both screen types when you use an optional second monitor.

Ease of operation

With touchscreen monitors, the operator selects the area in alarm to access a more detailed view of the alarmed zone or device. With the correct password the operator can acknowledge alarm and trouble conditions, activate signal silence, and perform a system reset directly from the Incident Commander screens. This requires control operation permission by local listings, the authority having jurisdiction (AHJ), Civil Defense, or equal.

Programmable activity timeout

With programmable activity timeout, an unattended monitor reverts to the logon screen when the configured time period expires.

Individual user preferences

The following individual user preferences appear when you log in:

Table 1: Individual user preferences

Preference category	Options
Font size	Default or large
Toolbar size	Small or large
Interface Theme	MS Office 2003 or System
Floating window options	Select to show Menu bar or show Tool bar.

Historical log and list details

Figure 3 shows historical log details. The display format is similar to the display for active list items such as the alarm list. You can sort the displayed information on-screen by each category shown including number, time, date, and point name. You can review list information on the screen, print it at a local or remote system printer, or write it to an electronic file for compatibility with spreadsheet and database programs.

Customized response

You can add custom alarm and trouble messages and edit them in the field to provide operator response assistance. You can set point specific information, such as hazardous material storage and lists of people to notify, to display automatically or selectively.

Password control

Multiple access levels

An operator's logon credentials determine their access level. You can select functional access to match the training and responsibility of the operator. Operators with additional TrueSite Incident Commander and fire alarm network training may be qualified for access to sensitive areas. For operators who are primarily concerned with immediate facility security, a lower level access provides the information necessary for proper response, but does not allow access to key parameters that determine overall system or network operation.

Individual point service access

Qualified operator detail access

The Incident Commander operator's interface provides service level access to network information that is not normally public. To access Network private point information, use the Set-Host feature or log in to the database of the network and node of interest. With this operation, qualified service personnel can access and control individual point information with proper password access.

Seismic testing

The 4100ES cabinet mounted TrueSite Incident Commander design is seismic tested and is certified to IBC and CBC standards as well as to ASCE 7 categories A-F. Requires use of battery brackets detailed on datasheet *S2081-0019* .

Network diagnostics

Graphical network status views

You can use automatic, built-in diagnostics for graphical views of network topology and network status. These views clearly indicate missing communications links due to wiring breaks or shorts and inactive network nodes to guide you to return the system to normal. Use the information screens to see details about each specific network node. The graphical views display network level functions such as timekeeper node and monitor node, and identify the node used for the diagnostic.

Graphics screens

Site and floor plan details

You can use the graphics screens to view site plan and floor plan information. You can customize the level of detail for the specific facility to accurately direct the operator to the immediate area of interest.

Graphic screen controls

See Figure 4. You can add icons to identify the location and type of the device of interest and you can use the graphics control toolbar, located at the top of the graphic, to pan and zoom for more precise detail. You can add programmable coverage zones with selectable area and zoom level. You can add a fixed area site plan, key plan, with action buttons and screen locator as shown in Figure 4. A green rectangle in the key plan tracks pan and zoom.

Custom banner and main screen background

You can customize the banner area shown with a Simplex logo. The bitmap area is 2250 pixels x 68 pixels. You can customize the main screen background that is viewable prior to login with a bitmap of up to 1000 pixels x 525 pixels.

Action messages

In addition to screen text or graphic information, the operator can recieve specific action messages that provide emergency response information and directions. You can easily edit these action messages in the field for local requirements. The appropriate action message in the screen shown in Figure 4 would appear in the Acknowledge dialog box.

Auto-Jump to graphics or alarm list

Select whether activity should cause a jump to a list format or to the associated graphic screen.

Supported graphics formats

- DWG Import Formats: AutoCAD R9, 10, 11-12, 13, 14, 2000-2002, 2004-2006, 2007-2009 , 2010-2011
- DXF Import Formats: AutoCAD R14 and 2000
- Export Formats: AutoCAD 2000 DWG/DXF format, for editing in AutoCAD 2000 or higher
- Import drawing files: DWG, WGS, IMS/GCC DOC files, WMF, BMP, GIF, and JPG.

Sample screens

Figure 3: TrueSite Incident Commander, Alarm List screen

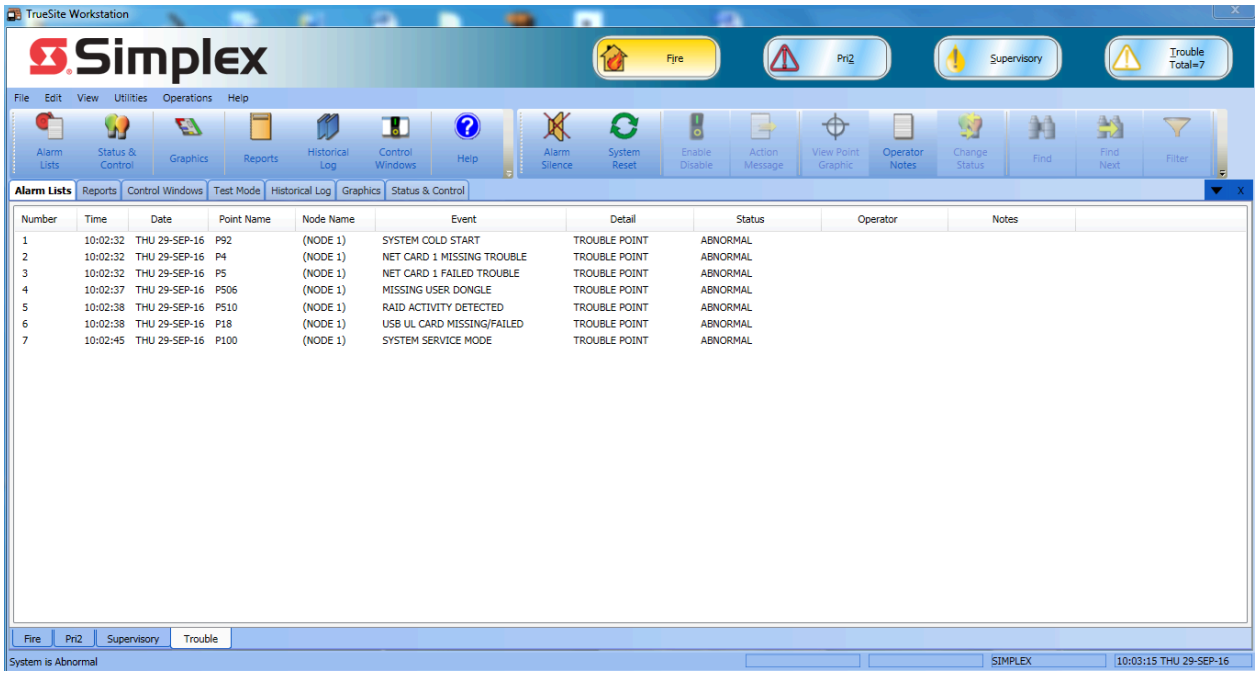
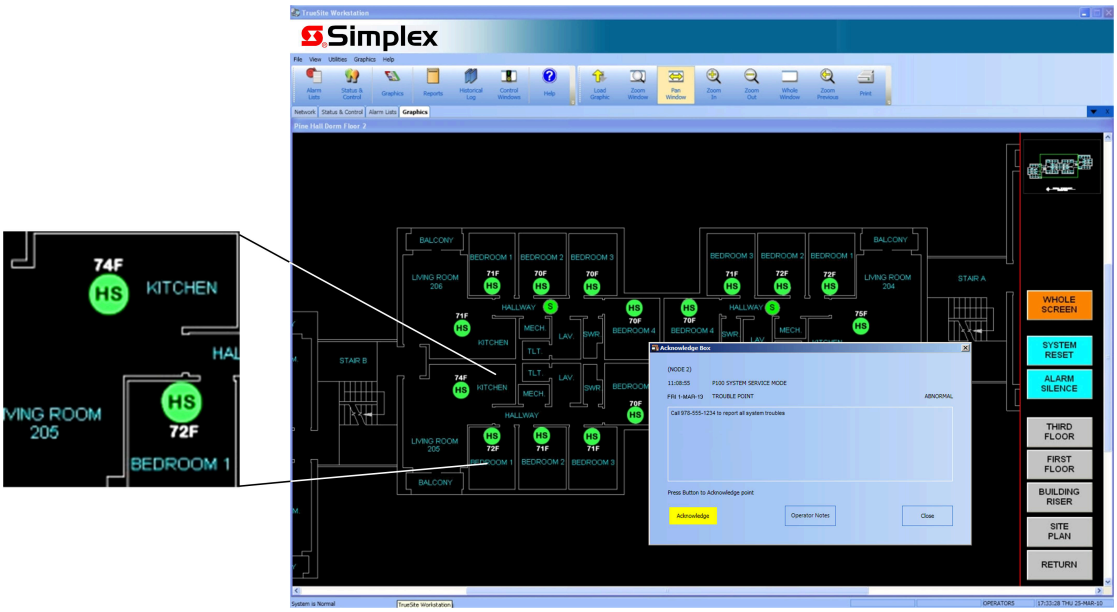


Figure 4: TrueSite Incident Commander, Graphics screen with detail enlargement and Acknowledge Box



Note: This sample graphic screen demonstrates heat sensors (HS) dynamically displaying their local temperature readings

4120 version compatibility

4120 network product compatibility with the TrueSite Incident Commander Graphic Annunciator requires the following software versions:

Table 2: Fire Alarm Network interface

Network interface	Compatibility
4190 GCC/IMS/NPU	Master Version 2.07 or later
4100U	Master Version 11.03 or later
4100	Master Version 9.02 or later
4020	Master Version 9.02 or later
4010	Master Version 3.01 or later
4002	Network Firmware Version 3.02.92 or later

Table 3: 2120 Interface, SLI

Network interface	Compatibility
2120	Master Version 5.44 or later, Network Interface Version 3.02 or later

Notes:

1. TSW capacity for 100,000 4120 network points requires TSW Version 3.04, or later, and ES control units at version 3.03.04, or later.
2. The TSW supports up to 100,000 points from ES series control units on 4120 networks or DACR points only.
3. Other legacy 4000 series panels have a capacity of up to 62,500 points on the TSW. You can mix with ES series control units reporting above the 62,500 point range.
4. A TSW with a 2120 SLI interface is limited to 62,500 points for the entire system, including ES series control units and DACR points.

ES Net version compatibility

ES Net product compatibility with the TrueSite Incident Commander Graphic Annunciator requires the following software versions:

Table 4: ES Net software requirements

Software	Required software version
Network Programmer	2.04 or later
ES Programmer	6.01 or later
TrueSite Workstation	6.01 or later
TrueSite Incident Commander	6.01 or later

Table 5: ES Net firmware requirements

Component	Required firmware version
4100ES control unit	6.01 or later
4010ES control unit	6.01 or later
4007ES control unit	6.01 or later
ES Net NIC Application	1.04
ES Net NIC EOS	1.04

Notes:

1. TSW 250,000 ES Net network point capacity requires TSW Version 6.01, or later, and ES control units at version 5.03, or later.
2. The TSW supports up to 250,000 points from ES series control units on ES networks or DACR points only. The maximum points supported from 4120 networks is 100,000 points.
3. Where TSW supports both ES Net and 4120 network loops, the maximum TSW point capacities are as follows:
   a. Up to 250,000 ES network points and DACR points combined.
   b. Up to 100,000 4120 network points. See notes in 4120 version compatibility for additional information.
   c. The combination of ES Net, DACR, and 4120 points are not to exceed 250,000 TSW points total.

TrueSite Incident Commander product selection

Table 6: Hardware product selection

Model	Description	Listings	
4190-8404	**TrueSite Incident Commander Annunciator**	**UL**	**ULC**
	For use as an Annunciator under the following listings: UL 864 and ULC-S527 Control Units and Accessories for Fire Alarm Systems, UL 2572 Control and Communication Units for Mass Notification Systems, UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771). Also for use as UL 864 UUKL Firefighter Smoke Control Station.	Yes	Yes
4190-8405	**TrueSite Incident Commander Supervising Station Control Unit**	Yes	Yes
	For use as a Supervising Station Control Unit under UL 864. Reports and logs events. If an optional event printer is required, see TrueSite Incident Commander equipment specifications. Also for use as UL2572 Supervising Station Control Unit for Mass Notification Systems, UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771) with listed DACR.		
4190-8411	**TrueSite Incident Commander Remote Client** Agency-listed control capability requires supervision and connection to a dedicated Fire Alarm LAN. Refer to *Fire Alarm Network Annunciators; Fire Alarm Ethernet Switches (S4190-0018)*. **Note:** The Incident Commander PC has two Ethernet ports. On ES Net networks, the ES Net NIC connection uses one Ethernet port. This leaves one Ethernet port available for a connection to either an agency-listed, dedicated, Fire Alarm LAN or a customer's LAN, but not both.	Yes	Yes
	For use as an Annunciator under UL 864 and ULC-S527 Control Units and Accessories for Fire Alarm Systems.		

Notes:
1. Requires a selection of computer and software from Table 7.
2. LAN/WAN connections require use of Transient Suppressor 4190-6010, ordered separately, see TrueSite Incident Commander product selection for details.
3. A UL-1481 listed uninterruptible power supply (UPS) is required for secondary power according to UL and ULC requirements, ordered separately, supplied by others.

Table 7: Additional product selection

Category	Model	Description	
Aftermarket Additions	4190-8901	Aftermarket hardware addition	
	4190-8605	Aftermarket software addition	
Computer Type, select one as required	4190-7036	4100ES cabinet mounted PC Incident Commander, imaged with Windows 10 Enterprise and TSW runtime software. Minimum i5 2.7 GHz processor, 32 GB RAM, two 1 TB hard drives, USB UL I/O card. RAID is not configured	19 in. Touchscreen computer/ monitor with UL I/O Card, compact keyboard and mouse
	4190-7037	Desktop PC Incident Commander imaged with Windows 10 Enterprise and TSW runtime software. Minimum i5 2.7Ghz Processor, 32 GB RAM, two 1 TB hard drives, USB UL I/O card. RAID is not configured	
	4190-7038	4100ES cabinet mounted PC Incident Commander imaged with Windows 10 Enterprise and TSW runtime software. Minimum i5 2.7 GHz processor, 32 GB RAM , two 1 TB hard drives, USB UL I/O card, configured with RAID	
	4190-7039	Desktop PC Incident Commander imaged with Windows 10 Enterprise and TSW runtime software. Minimum i5 2.7Ghz Processor, 32 GB RAM, two 1 TB hard drives, USB UL I/O card, configured with RAID	
Applications Software, select one for each application	4190-5050	TrueSite Incident Commander Server Software, includes license and documentation. Requires 4190-8404 or 4190-8405. Includes a renewable one year software maintenance agreement (SMA) that provides access to newest software features, cyber-security and compatibility updates.	
	4190-5053	TrueSite remote client installation software package, no operating system. Requires 4190-8411 or 4190-8605.	

Table 7: Additional product selection

Category	Model	Description
Server Feature Option	4190-5068	ES Net Supplemental Traffic feature. Enables support of supplemental traffic for TrueSite Workstation and Remote Client Connections to TSW from any nodes on ES Net network. **Note:** For further information regarding supplemental traffic, refer to ***ES Net Network Applications, Communications, Options and Specifications (S4100-0076)***.
	4190-5060	DACR Interface for a TrueSite Workstation Server
	4190-5064	Third-party Interface Software Package. Includes the following items: 1. Third-party Interface Development Software 2. A dedicated Security Certificate for server and client access for one third-party Interface Application 3. And a third-party Feature Code for one third-party Client connection to a single TrueSite Workstation **Note:** You must submit the following form with the order: ***TrueSite Workstation 3rd Party Interface Software Customer Information (579-1155)***.
	4190-5065	TrueSite Workstation Feature Upgrade. Includes the latest TrueSite Workstation software version and an Upgrade Feature Code to enable new standard features, select new optional features separately. Without this upgrade, installations of the latest software version include performance improvements but do not include new standard software features.
	4190-5067	TrueSite Workstation Mobile Client Feature. A quantity of one enables access to TrueSite Workstation information from compatible mobile devices. To enable access for mobile clients, enter an authorized feature code at the server. Refer to ***Fire Alarm Network Annunciators TrueSite Workstation Mobile Client (S4190-0024)*** for more information
	4190-5069	TSW Maintenance License. Use this maintenance model number to obtain software updates under your software maintenance agreement (SMA).
	4190-5071	Redundant option for TSW license You can purchase the redundant option for the TSW license. With the redundant option you can switch a site to a backup TSW server if the primary server goes down. With this option, the license needs to refresh within 90 days to verify that there is still one activation remaining. If there is no refresh within 90 days, the TSW annunciates a trouble (P223) and invokes a shutdown every 8 hours, as with a TR license. For normal operation only one of the TSW servers, primary or backup, can run at the same time. When you repair and restart the primary server, you must take the backup server offline. The redundant option is compatible with the following products: • 4190-8404 TrueSite Incident Commander Annunciator • 4190-8405 TrueSite Incident Commander Supervising Station Control Unit
	4190-5082	TrueSite Workstation or Incident Commander Software Maintenance Agreement, one year
	4190-5083	TrueSite Workstation or Incident Commander Software Maintenance Agreement, three year
	4190-5089	TrueSite Workstation Software Maintenance Agreement, new or re-instatement

Table 8: Remote Client and network related product selection

Category	Model	Description
Remote Client type selection. Select one per Remote Client	4190-5061	Feature code for Remote Client with restricted features, reduced feature set
	4190-5062	Feature code for Remote Client with password protected feature access
	4190-5066	Third-party Interface Client. Use to add additional Third-party Client connections to an existing TrueSite Workstation 3rd Party Interface. Includes a Third-party Client Feature Code for the selected quantity of concurrent Third-party Client Connections to a single TrueSite Workstation, a maximum of five for each server **Notes:** 1. You must submit the following form with the order: ***TrueSite Workstation 3rd Party Interface Software Customer Information (579-1155)***. 2. When you add Third-party Interface Clients to more than one TrueSite Workstation Server, each server requires its own 4190-5066 Remote Client Selection. If a new Third-party Interface Application is developed, feature code 4190-5064 will be required to provide a unique Security Certificate.
Serial Port Option, for Server only	4190-6034	Quad RS-232 Serial Port PCI Card. Select when more than two serial ports are required. PCI Slot card with pluggable terminal block output. One 4190-6026 suppressor is required for each connection, see the following row.
Transient Suppressed Connector, select as required	4190-6002	Transient Protected Connector. Select one for each connection to a standard PC RS-232 serial port.
	4190-6026	Transient Protected Connector for Quad Serial Port Card. One required for each connection.
	4190-6010	Transient Suppressor for LAN/WAN Connection. Required for agency listing for each Incident Commander and Remote Client LAN/WAN connection, except for server to client connections when both are in the same room.

Table 8: Remote Client and network related product selection

Category	Model	Description
USB Ethernet Adapter	4190-6059	USB 3.0 to Gigabit Ethernet NIC Network Adapter. With this, an additional RJ45 Ethernet port that uses available USB ports on TSW Desktop PCs can connect to an ES Net NIC card or to a building network. **Note:** When you use the Incident Commander Desktop PCs, 4190-7036 and 4190-7038, the USB Ethernet Adapter does not currently meet ULC standards.
Fire Alarm Ethernet Switch	4190-6050	Fire Alarm Ethernet Switch with eight wired Ethernet connections, 24 VDC, red cabinet. With Earth Detection on wired connections UL 864 and ULC S527. **Note:** Each Server and Client LAN connection requires a 4190-6010 Transient Suppressor, except for server to client connections when both are in the same room; see the previous rows for suppressor details. Use a listed fire alarm power supply to provide Ethernet Switch power. Refer to *Fire Alarm Network Annunciators; Fire Alarm Ethernet Switches (S4190-0018)* for more information.
	4190-6054	Fire Alarm Ethernet Switch with four wired Ethernet connections and two single-mode fiber optic connections, 24 VDC, red cabinet. With Earth Detection on wired connections UL 864 and ULC S527.
	4190-6055	Fire Alarm Ethernet Switch with four wired Ethernet connections and two multimode fiber optic connections, 24 VDC, red cabinet. With Earth Detection on wired connections UL 864 and ULC S527.

Table 9: 4120 network options

Option	Aftermarket	Description		Size	Alarm/Supv.
Network Interface Modules, two maximum	4190-9829	Modular network interface card, select media modules separately, listed in the following rows. PCI slot card, supports Class B or Class X operation		One PCI slot	46 mA
Media Modules for Modular Network Interface, as required	4190-9822	Wired Media	Mounts on 4190-6061 or 4190-9829 modular network interface card, up to two media cards for each network interface card. A maximum of one left port and one right port duplex fiber media card for each modular network interface card. Field connections require left port to right port pairing. Order fiber media service kits for retrofit jobs where ST connectors are already installed. See note.	N/A	55 mA
	4190-9851	Left port, single-mode 4120 duplex fiber media card			
	4190-9852	Right port, single-mode 4120 duplex fiber media card			
	4190-9853	Left port, multi-mode 4120 duplex fiber media card			
Media Modules for Modular Network Interface, as required	4190-9854	Right port, multi-mode 4120 duplex fiber media card			
Note: For additional information on 4120 Networks and 4120 network product specifications, refer to *4120 Network Communications, Options, and Specifications; International (S4100-0056)*					

Table 10: ES Net external NIC for TSW product selection

Model	Enclosure	Description	Power	Size	Alarm/Supv.
4190-9832	Red	Connects a TSW or Incident Commander to an ES Net loop. ES panel network supports Class B or Class X operation, TSW connections are Class B. Includes four built in Ethernet ports, supports one additional media card. You can configure ports A and C for earth fault detection.	120/240 VAC	Wall mount enclosure measures 10 in. x 10 in. x 2.5 in.	120 mA
4190-9833	Platinum		120/240 VAC		
4190-9834	Red		24 VDC		
4190-9835	Platinum		24 VDC		

Notes:
1. The 4190 Series External NIC is required for TSW or Incident Commander UL 1610 Central Station Burglar Alarm Control Unit applications.
2. For additional information on ES Net networks and ES Net network product specifications refer to ***ES Net Network Applications, Communications, Options and Specifications (S4100-0076)***.

Table 11: ES Net NIC cards for 4100ES or TrueSite Workstation

Model	Card Type	Description	Size	Alarm/Supv.
4100-6104	Slot - install to a single slot in a 4100ES bay	Mounts in 4100ES cabinet. Connects a 4100ES FACU, TrueSite Workstation, or Incident Commander to an ES Net Network. Supports Class B or Class X operation. Includes four built in Ethernet ports, install to a single slot in a 4100ES bay. Supports up to two additional media cards. You can configure ports A and C for earth fault detection.	One slot of a 4100ES bay	120 mA
4100-6310	Flat - install to any two vertical block space in a 4100ES bay		2 vertical blocks	

Notes:
1. Network interface cards include built-in Ethernet network communication ports, order optional media cards as required.
2. TrueSite Workstation connection is Class B, for Class X networks TSW connection must be 20 ft (6 M) maximum in conduit.
3. For TSW or Incident Commander UL 1610 Central Station Burglar Alarm Control Unit applications use the 4190 series External NIC.

Table 12: ES Net dual channel media modules for external NIC and 4100ES NICs

Model	Media card type	Description	Size	Alarm/Supv.
4190-9856	ES Net NIC dual channel Ethernet media card	Select according to network-connection requirements; mounts on the supplied ES NIC. One media card for each external NIC network interface card. Dual Channel Media Cards provide two ports for input and output connections. Field connections require proper port pairing, refer to ***ES Net Dual Channel Fiber, Ethernet, and DSL Media Card Installation Instructions (579-1258)*** for additional information.	N/A	20 mA
4190-9858	ES Net NIC dual channel single-mode fiber media card		N/A	135 mA
4190-9859	ES Net NIC dual channel multi-mode fiber media card		N/A	135 mA
4190-9857	ES Net NIC dual channel DSL media card		N/A	155 mA

Table 13: Programming

Category	Model	Description
Programming, select	4190-8122	TrueSite Incident Commander Programming. Select Programming items from the following rows.
Programming items Select items according to system requirements, select quantity of items as required. Requires selection of 4190-8122	4190-4006	AutoCAD DXF or DWG file, one floor plan, multiple floor plans require dedicated files
	4190-4019	Convert SMALL floor plan to 3D-style
	4190-4020	Convert MEDIUM floor plan to 3D-style
	4190-4021	Convert LARGE floor plan to 3D-style
	4190-4008	25 Custom Action Messages
	4190-4009	25 Travel Screen Keys, selective zooming
	4190-4010	25 Status Icons
	4190-4011	25 Control Functions including On/Off and Bypass.
	4190-4012	Convert one Existing IMS Screens to TrueSite Incident Commander Screen
Programming Items. Select items according to system requirements, select quantity of items as required. Requires selection of 4190-8122	4190-4013	10 Coverage Zones; order quantity as required
	4190-4014	One Emergency Communications/Mass Notification Control Screen

Hardware reference for mounting TrueSite Incident Commander in bay two of a 4100ES FACU

Table 14: Ship with bay two empty

Required identifier	Description
4100-7909	Designates the 4100ES FACU for shipping with bay two empty.

Table 15: Box and door configurations

Selection type	Description	Platinum 2 Bay	Platinum 3 Bay	Red 2 Bay	Red 3 Bay
Combined box and door	Box with glass door and dress panel	2975-9459	2975-9457	—	2975-9458
Separate box and door Select to ship boxes and doors separately	Box only	2975-9439	2975-9440	2975-9408	2975-9409
	Glass door and dress panel	4100-2107	4100-2108	4100-2127	4100-2128

Table 16: Remote annunciator panel option

Model	Description
4100-9615	Remote Annunciator Panel Mount, includes expansion bay with power distribution interface module (PDI) Bay two is dedicated for Incident Commander, order box and door separately, 4100-7909 is not required Select RPS, XPS, or ES-PS power supply and 4100-0620 Basic interface. Other options include the following items: 4100-1272 Phone Cards, 4100-1273 Phone Class A Adapters, 4100-6038 RS-232 Card, 4100-1293 Panel Mount Printer, and 4100-1290 24 Point I/O. Order cabinet hardware separately according to the hardware for control units above. Refer to datasheet ***S4100-0038*** for more Remote Annunciator details. **Note:** See Power supply application reference for power supply applications guidelines.

TrueSite Incident Commander desktop dimension reference

Figure 5: TrueSite Incident Commander desktop dimension reference



TrueSite Incident Commander equipment specifications

Note: Equipment and specifications may vary due to equipment design changes.

Table 17: Control unit mount touchscreen computer or monitor

Model, see note in the following table	Space requirement	Current requirements with 24 VDC power from control unit		
4190-7037	Mounts in bay two of a 2-bay or 3-bay 4100ES cabinet	4190-7037 with Modules Listed	**Supervisory**	**Alarm**
		with one 4120 Network Card	2.1 A	2.25 A
		with two 4120 Network Cards	2.37 A	2.52 A
		with one 4120 Network Card and one Quad Serial Card		
		with no network cards. Use for ES Net network, ES Net NICs are mounted and powered external from the Incident Commander computer	1.83 A	1.98 A
Individual module current reference		4190-6034 Quad Serial Card	270 mA	
		4190-6061/4190-9829 Modular Network Card with two media modules: either 4190-6036/4190-9822 Wired, or 4190-6037/4190-9823 Fiber		

Table 18: Desktop touchscreen computer or monitor

Model, see note	Dimensions	Input power
4190-7036 4190-7038	17 13/16 in. W x 16 11/16 in. H x 8 3/4 in. D (452 mm x 425 mm x 221 mm)	2 A at 102 VAC to 132 VAC, 60 Hz (240 W) Operating Range: 100 VAC to 240 VAC, 50/60 Hz
Note for Table 17 and Table 18: All models include a separate 120 VAC power supply module. It provides normal power for desktop operation and you can use it for separate pre-installation setup for 4100ES cabinet mount models. A 120 VAC cord is included, NEMA 5P to 15P plug to IEC-320 C-13 connector. For 230 VAC to 240 VAC use, locally obtain a cord in compliance with local safety standards. Agency listing is at 120 VAC, 60 Hz.		

Table 19: TrueSite Incident Commander computer feature summary, see note 2 in following table

Features		
General specifications	i5 2.7 GHz, minimum, PC with cooling fan	Two integral amplified 2 watt speakers
	8 GB RAM, minimum	One VGA video output, required for optional second monitor
	Two PCI slots	Includes compact USB keyboard and mouse
	Two 1 TB hard drives, minimum	100 mm VESA mounting interface

Table 20: TrueSite Incident Commander Server computer port reference, see note 2

Specification	Rating
RS-232 Serial Ports	Two DB9 RS-232 ports standard, up to six RS-232 ports total with optional 4190-6034 Quad Serial Port Card (PCI Slot Module)
USB Serial Ports	Six total: five in the rear and one on the side
Ethernet Ports	Two RJ45 Gigabit Ethernet LAN ports
PCI Slots	Two available. **Note:** Server uses one for the Network Interface Card.
Event Printing, see note 1	For agency-listed proprietary supervising station operation and for other operations. If you require an event printer, you can use a supervised and dedicated Simplex model 4190-9027 agency-listed dot matrix printer. Connection is to USB, or Serial RS-232 port of the Server PC. Refer to ***Model 4190-9027, 24-Pin Dot Matrix Fire Alarm System Remote Printer (S4190-0027)*** for 4190-9027 printer details.
Other Printing, see note 1	For report, screen, or graphics printing, you can use a Windows 10 compatible printer. You can connect the printer with a USB, Serial RS-232, or LAN/WAN connection through Ethernet.
Printable information	Event printing with supervised and dedicated dot matrix printer 4190-9027, see Event Printing in Table 20.
	Auto-print of auto-jump graphics. Prints to the Windows default printer
	Reports: Historical logs, System Activity, TrueAlarm Status, TrueAlarm Service, TrueAlert Self-Test, Analog Monitor ZAM Calibration, and Active List. You can print the displayed reports to a LAN connected, unsupervised, printer.
	Screen captures, configurable as negative images to reverse black backgrounds

Notes for Table 19 and Table 20:

1. Parallel port printer connection is supported on 32-bit operating systems only.
2. Simplex 4190 Series TrueSite Incident Commander computers are agency-listed for use with TrueSite Workstation software. For desktop applications where agency listings are not required, TrueSite Workstation software should be compatible with most computers that meet the stated minimum specifications. However, computer manufacturers may use unique or proprietary drivers, hardware, or other software not tested with TrueSite Workstation software, that could result in incompatibilities.. If you use other computers, proper operation with TrueSite Workstation software may require technical adjustments by a qualified computer technician and would be the sole responsibility of the computer supplier and computer manufacturer.

Table 21: Environmental specifications

Specification	Rating
Operating temperature	32°F to 120°F (0°C to 49°C)
Operating humidity	Up to 93% RH, non-condensing, at 90°F (32°C)

Server or client operation

TrueSite Incident Commander computer

The TrueSite Incident Commander computer features the functions of the Server and the system configuration tools. You require a valid and active software license, which is supplied, to access all features. For systems that do not use remote clients, the setup of the TrueSite Incident Commander PC is similar.

Remote client

To access TrueSite Incident Commander information at a remote location, equip a compatible computer connected by a local area network (LAN) with remote client software. There are two types of remote clients: those with a restricted feature set, which is not capable of control, and those with a password protected feature set, which is capable of control. Refer to datasheet ***Fire Alarm Network Annunciators; Fire Alarm Ethernet Switches (S4190-0018)*** for additional information about creating a proprietary fire alarm remote client LAN.

Supervised or unsupervised remote clients

You can designate remote clients as supervised or unsupervised. When supervised, the TrueSite Incident Commander monitors the connection and audibly reports a loss of connection at both ends along with a dialog screen. When unsupervised, only the client end displays a trouble dialog that indicates disconnection from the server. You can use laptop or desktop computers that you use for other functions as remote clients and periodically connect them to query system status or create reports. Refer to ***Fire Alarm Network Annunciators TrueSite Workstations Version 6.05 (S4190-0016)*** for additional remote client information.

Remote client connections

The TrueSite workstation server supports a maximum of 20 supervised or unsupervised remote clients for 4120 networks, or 60 for ES Net networks. Each remote client can be online simultaneously. In ES Net jobs, you can configure remote clients to connect to a backup server, in the event of loss of connection to the primary server, for improved network redundancy.

TCP/IP networks

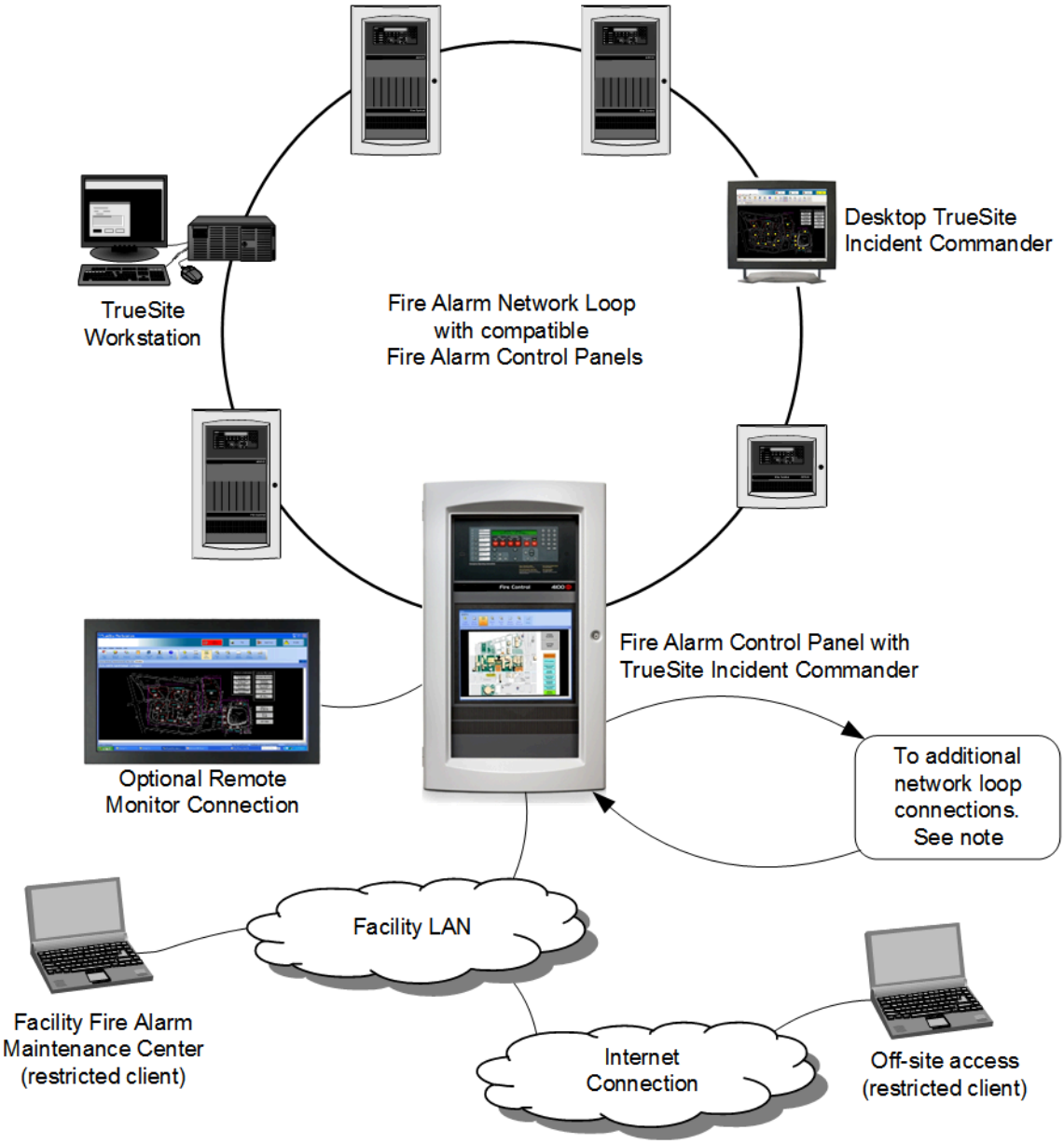
The minimum recommended connection speed for a TrueSite Incident Commander Server or a remote client to a TCP/IP local area network is 3 Mbps.

Anti-virus software

If you connect a TrueSite Incident Commander Server or a remote client computer to a TCP/IP network that is not a dedicated fire alarm network, ensure you install regularly updated anti-virus software on each connected computer. The TSW is compatible with McAfee Total protection version 16.0 R48 and Norton 360 Deluxe version at 22.22.7.14.

System overview reference

Figure 6: System overview reference



Note: An Incident Commander node can attach to seven ES Net network loops, or on a mixed network, up to five ES Net network loops and two 4120 network loops. For further information regarding multi-loop or multi-topology support, refer to datasheet ***ES Net Network Applications, Communications, Options and Specifications (S4100-0076)***.

System listings reference

The following functions are agency-listed with the computers and monitors identified under TrueSite Incident Commander product selection:

- TrueSite Incident Commander PCs, whether stand-alone or functioning as a server to local and remote clients
- Supervised Remote Clients with protected features that connect to the server using a dedicated Fire Alarm Network
- Refer to datasheet ***Fire Alarm Network Annunciators; Fire Alarm Ethernet Switches (S4190-0018)*** for details about Fire Alarm Network Ethernet Switches

Additional agency listings reference:

Remote client software with restricted features is listed for standard office use and only has annunciation features. You can connect it with a facility LAN without an impact to system listing.

Power supply application reference

When you mount the TrueSite Incident Commander in the panel, the following power supply applications guidelines apply.

1. You must only use the power supply to power the TrueSite Incident Commander and internal card.
2. You must connect IDNet communications, Signal power, or Auxiliary power loads to a separate expansion power supply.

Additional reference

Table 22: Additional reference

Description	Document
4120 Network Products and Specifications	*S4100-0056*
ES Net Products and Specifications	*S4100-0076*
4100ES Basic Panels with ES-PS Power Supplies	*S4100-1031*
TrueSite Workstation and Remote Clients	*S4190-0016*

Mass notification systems reference

The TrueSite Incident Commander operates as a UL 2572 listed Central Command Station (CCS) when you provide an audio system microphone mounted adjacent to the TrueSite Workstation. Locate it within a 4100ES (or 4100U) FACU or Remote Annunciator panel, or use a Remote Microphone Assembly.

The 4100ES/4100U microphone options are model 4100-1243 for FACUs and model 4100-1244 for Remote Annunciator panels, refer to ***4100ES Addressable Fire Detection and Control Emergency Voice/Alarm Communications Equipment (S4100-0034)*** for details.

Remote Microphone Assembly model 4003-9803 mounts separate from the control panel. Refer to ***Microphone Multiplex Module Model 4100-1274 (S4100-0053)*** for details.

Note: You must connect at least two monitors to provide the necessary display information, see the exception below. One monitor is required to display the speaker zone status and the other monitor is required to display the event screen.

Exception: If you mount a 4100ES/4100U network display unit (NDU) adjacent to the TrueSite Workstation for network audio control with microphone access, you may not require a second monitor if you can view the audio control status. Review the application with the local authority having jurisdiction (AHJ).

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