Features

Compatible with Simplex ES Net and 4120 Networks. TrueSite Incident Commander provides 4100ES mounting for the Simplex® TrueSite Workstation:

- **All-in-one touchscreen computer/monitor** mounts in a 4100ES cabinet and is powered from the fire alarm system power supply, including battery backup
- **Seismic hardware;** 4100ES mounting with battery brackets provides seismic area protection
- **High resolution** touchscreen monitor
- **Includes Windows 10 Enterprise** (64-bit)
- **Hinged mounting bracket** allows 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 allowing access to remote panel activity status, and for a Mass Notification System event or a fire alarm event, can take control of remote panel activity over the fire alarm network
- **Available TCP/IP, LAN/WAN connections;** up to 20 remote clients on a 4120 network, or 60 remote clients on an ES Net network, can be connected to the server for multiple remote users; with dedicated and listed Fire Alarm LAN equipment, listed remote clients can have control access
- **Supports standard fire service annunciation icons** to provide firefighter and first responders with critical fire response information
- **Custom alarm and system messages** guide emergency responders with important information
- **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
- **Floatable and dockable windows** allows windows to either be fixed (docked) or floatable
- **Extensive historical logging;** up to 500,000 events with operator notations
- **Password Security** supports 8 to 16 alphanumeric passwords with configurable lockout
- **Optional interface to Digital Alarm Communicator Receiver (DACR)** integrates multiple systems onto a single Incident Commander
- **Backup Utility** can be configured to automatically backup specified directories including TSW job data to the secondary hard drive. The backup utility is available to systems that do not use RAID.
- **Multiple password** controlled operator levels
- **3rd Party Interface** open-architecture solution provides enhanced information access for advanced users
- **Available optional connections** for printers or other compatible systems
- **Dual monitor support** allows the Alarm List Window to be on one monitor and the Graphics Window on the other
- **Operating Systems;** Server and clients are compatible with Windows 7 & 10 Professional or Enterprise, Clients also compatible with Windows 7 Home Premium and Windows 10 Home (32-bit and 64-bit for all options)

Figure 1: TrueSite Incident Commander Mounts in Bay 2 of a 4100ES Control Panel (shown with Master Controller)

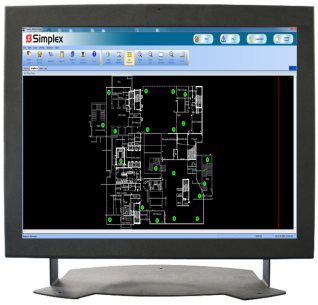


Figure 2: Desktop TrueSite Incident Commander

Graphic screens details:

- **Pan-and-zoom features** allow precise navigation
- **Configurable coverage zones** allow highlighted areas of activity in user defined zones
- **Auto-jump** allows the screen view to jump to a graphic or alarm list menu.

Additional Incident Commander system features:

- **TrueSite Workstation Mobile Client** allows compatible iOS and Android devices to access system information
- **Export to XML** feature allows TrueSite Workstation data to be easily exported for report generation and customization
- **Test Mode** allows unobtrusive testing of selective devices without nuisance interruptions
- **Node Name** allows a description of the specific building or area associated with a point in views and reports
- **Vector information to supervised remote clients;** select by point, event category, panel, or custom list

*Refer to Product Selection tables for specific product listing details. CSFM Listing: 7300-0026:323.At the time of publication only UL and ULC listings are applicable to ES Net network products. Additional listings may be applicable; contact your local product supplier for the latest status.

- **Email generation** is available to send updates to individuals or to distribution lists with selectable content
- **Sound files** (WAV) can be used to create custom audible status annunciation with Agency listed desktop PC model 4190-7014
- **Fahrenheit or Celsius** temperatures can be displayed
- **DACR Account Filter** allows Historical Log Reports to be Filtered by DACR Account for Quick Access and Verification
- **Operator Notes** allows an operator to log operator notes associated with individual events for historical records and retrieval
- **Web Browser Command Link** allows an external web page or link, including web-cam, to be called with a single command
- **RAID 1 Support** provides 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.

Agency listings

- 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 1076 as Proprietary Burglar Alarm Unit (APOU.BP2801)
- UL 1610 as Central Station Burglar Alarm Control Unit (AMCX.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)
- UL 1076, Proprietary Burglar Alarm Multiplex Receiving Unit (APOU.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
- Connect to up to seven (7) separate network loops
- Graphical network diagnostic tools
- Set-host service functions allow access to remote network node data including individual TrueAlarm analog sensors
- Provides event printing (with compatible printer), view or print of status and service reports, TrueAlert Self-Test reports, and print graphic screens
- Please refer to TrueSite Workstation data sheet S4190-0016 for additional operation detail

Description

The TrueSite Incident Commander offers TrueSite Workstation operation in an all-in-one package providing a touchscreen computer, monitor, hard drive, and required input/output connections in single assembly. This allows installation within a 4100ES fire alarm control panel or remote annunciator with power supplied from the fire alarm power supply and secondary batteries. The all-in-one computer is also available for desktop applications (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/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 panels through DACTs (Digital Alarm Communicator Transmitters), Incident Commanders can be equipped to communicate directly with a compatible DACR. (Refer to data sheet *S4190-0016* for more DACR details.)

TrueSite Incident Commander Operation

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, Fire, Priority 2, Supervisory, and Trouble buttons are shown with an active Trouble indicated.

Sample Screens. Figure 3 is representative of a historical view screen. Figure 4 is representative of a system graphic screen with icons representing the devices of interest. Screen choices can be configured per system preference, however, when using an optional second monitor, both screen types can be visible for operator convenience.

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. Where control operation is permitted by local listings, the authority having jurisdiction (AHJ), Civil Defense, or equal; and with proper password access, the operator can acknowledge alarm and trouble conditions, activate signal silence, and perform system reset directly from the Incident Commander screens.

Programmable Activity Timeout allows an unattended monitor to revert to the login screen when the configured time period expires.

Individual User Preferences appear when the user logs in. Options include: font size, toolbar size; interface theme (MS Office 2003 or system); floating window options (select whether 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. Displayed information can be sorted on-screen by each category shown including number, time, date, and point name. List information can be reviewed on the screen, printed at a local or remote system printer, or can be written to an electronic file for compatibility with spreadsheet and database programs.

Customized Response. Custom alarm and trouble messages can be added and field edited to provide operator response assistance. Point specific information, such as hazardous material storage and lists of people to notify, can be automatically or selectively displayed.

Password Control

Multiple Access Levels. Operator access level is determined during log-in. 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 will provide the information necessary for proper response but will not allow access to key parameters that determine overall system/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." Network "private" point information can be accessed using the Set-Host feature, and logging into the database of the network and node of interest. With this operation, individual point information can be accessed and controlled as required by qualified service personnel with proper password access.

Seismic Testing

The 4100ES cabinet mounted TrueSite Incident Commander design has been 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 data sheet *S2081-0019*.

Network Diagnostics

Graphical Network Status Views. Automatic, built-in diagnostics are available to provide graphical views of Network topology and Network status. Missing communications links due to wiring breaks or shorts as well as inactive network nodes are indicated clearly to guide in returning the system to normal. Information screens are available to provide detail about each specific network node. Network level functions such as timekeeper node and monitor node are indicated as well as identification of the node being used for the diagnostic.

Graphics Screens

Site and Floor Plan Details. Graphics screens can provide easily recognizable site plan and floor plan information. The level of detail can be customized for the specific facility to easily and accurately direct the operator to the immediate area of interest.

Graphic Screen Controls. (Refer to Figure 4) Icons can be added to identify the location and type of the device of interest and the graphics control toolbar (located at the top of the graphic) can be used to pan and zoom for more precise detail. Programmable coverage zones can be added with selectable area and zoom level. A fixed area site plan (key plan) with action buttons and screen locator can be added as shown. Pan and zoom are tracked by a green rectangle in the key plan.

Custom Banner and Main Screen Background. The banner area shown with a Simplex logo can be customized (bitmap area is 2250 pixels x 68 pixels). The main screen background (viewable prior to login) can be customized with a bitmap of up to 1000 pixels x 525 pixels.

Action Messages. In addition to screen text or graphic information, the operator can be presented with specific action messages that provide emergency response information and directions. These action messages are easily field edited for local requirements. The appropriate action message would be located in an Acknowledge dialog box as shown in the graphics screen Figure 4.

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 (allows editing in AutoCAD 2000 or later)
- Import drawing files: DWG, WGS, IMS/GCC DOC files, WMF, BMP, GIF, and JPG.

Sample Screens

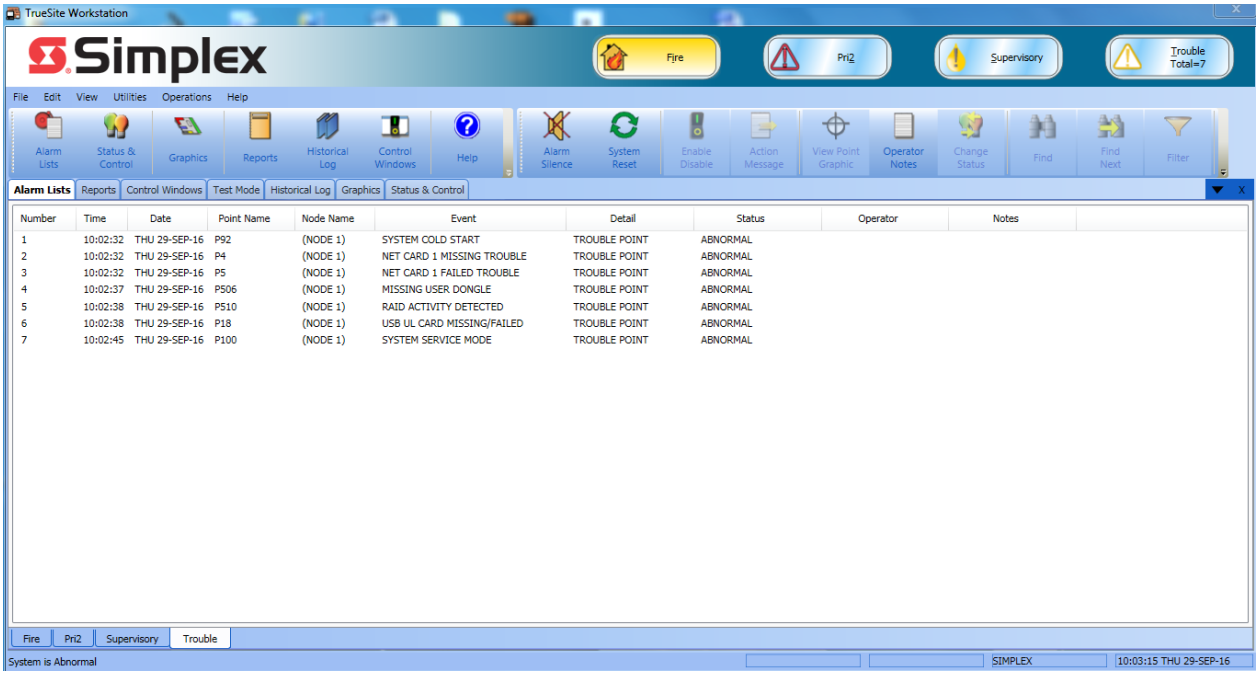


Figure 3: TrueSite Incident Commander Sample Alarm List Screen

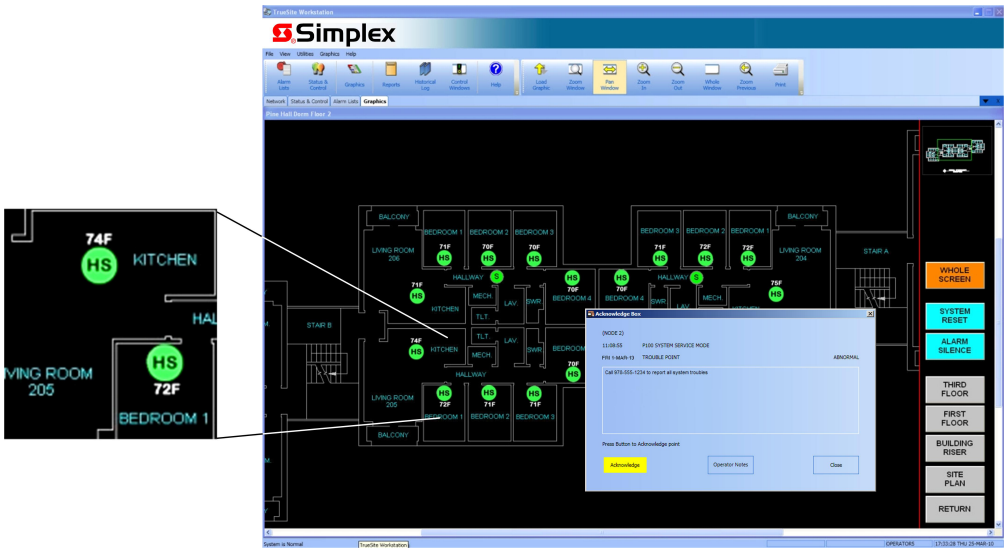


Figure 4: TrueSite Incident Commander Sample Graphic Screen with Detail Enlargement and Acknowledge Box

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

4120 Version Compatibility

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

Table 1: 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 2: 2120 (SLI) Interface

Network Interface	Compatibility
2120	Master Version 5.44 (or later) Network Interface Version 3.02 (or later)

Note:

1. TSW 100,000 4120 network point capacity requires TSW Version 3.04, or higher, and ES panels at version 3.03.04, or higher.
2. TSW supports up to 100,000 points from ES series panels on 4120 networks or DACR points only.
3. Other legacy 4000 series panels are limited to a capacity of 62,500 points on the TSW. You can mix with ES series panels 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 panels and DACR points.

ES Net Version Compatibility

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

Table 3: ES Net software requirements

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

Table 4: ES Net firmware requirements

Component	Required firmware version
4100ES panel	6.01 or above
4010ES panel	6.01 or above
4007ES panel	6.01 or above
ES Net NIC Application	1.04
ES Net NIC EOS	1.04

Note:

1. TSW 250,000 ES Net network point capacity requires TSW Version 6.01, or higher, and ES panels at version 5.03, or higher.
2. TSW supports up to 250,000 points from ES series panels 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:
   i. Up to 250,000 ES network points and DACR points combined.
   ii. Up to 100,000 4120 network points. See notes in 4120 Version Compatibility for additional information.
   iii. The combination of ES Net, DACR, and 4120 points are not to exceed 250,000 TSW points total.

TrueSite Incident Commander Product Selection

Table 5: Hardware product selection

Model	Description	Listings	
4190-8404	**TrueSite Incident Commander Annunciator**	**UL**	**ULC**
	Listings: For use as an Annunciator under: UL 864 and ULC-S527 Control Units and Accessories for Fire Alarm Systems; UL 2572 Control and Communication Units for Mass Notification Systems, UL 1076 Proprietary Burglar Alarm Units and Systems; and UL 1610 Central Station Burglar Alarm Units. Also for use as UL 864 UUKL Firefighter Smoke Control Station	Yes	Yes
4190-8405	**TrueSite Incident Commander Supervising Station Control Unit**	Yes	Yes
	Listings: For use as a Supervising Station Control Unit under UL 864. Reports and logs events; if an optional event printer is also desired see TrueSite Incident Commander Desktop Dimension Reference; if using a DACR for UL 864 listing select the Bosch D6600 with CID format. Also for use as UL2572 Supervising Station Control Unit for Mass Notification Systems; UL 1076 Proprietary Burglar Alarm Multiplex Receiving Unit; and UL 1610 Central Station Burglar Alarm Control Unit 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 data sheet S4190-0018) **Note:** The Incident Commander PC has 2 Ethernet ports. On ES Net networks, the ES Net NIC connection uses (1) Ethernet port leaving (1) Ethernet port available for a connection to either an agency listed (dedicated) Fire Alarm LAN or a customer's LAN (not both). Refer to data sheet S4190-0018 for additional information on Fire Alarm Network Ethernet Switches.	Yes	Yes
	Listings: For use as an **Annunciator** under: UL 864 and ULC-S527 Control Units and Accessories for Fire Alarm Systems		

Note:

1. Requires selection of computer and software from list below
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 per UL and ULC requirements (ordered separately, supplied by others)

Table 6: 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 P.C. (Incident Commander), imaged with Windows 10 Enterprise and TSW runtime software, Minimum i5 2.7 GHz processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (RAID not configured)	19 in. Touchscreen computer/ monitor with UL I/O Card, compact keyboard and mouse
	4190-7037	Desktop P.C. (Incident Commander) imaged with Windows 10 Enterprise and TSW runtime software,, Minimum i5 2.7Ghz Processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (RAID not configured)	
	4190-7038	4100ES cabinet mounted P.C. (Incident Commander) imaged with Windows 10 Enterprise and TSW runtime software,, Minimum i5 2.7 GHz processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (configured with RAID)	
	4190-7039	Desktop P.C. (Incident Commander) imaged with Windows 10 Enterprise and TSW runtime software,, Minimum i5 2.7Ghz Processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (configured with RAID)	
	4190-7040	Aftermarket Incident Commander PC (Cabinet Mounted or Desktop), no O.S., compatible with Windows 7 and Windows 10, 32 or 64 bit, Minimum i5 2.7Ghz Processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card	
Applications Software (select one per application)	4190-5050	TrueSite Incident Commander Server Software, includes: license, documentation; requires 4190-8404 or 4190-8405	
	4190-5053	TrueSite Remote Client Installation CD, no operating system; requires 4190-8411 or 4190-8605	

Table 6: 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 allows for 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	**3rd Party Interface Software Package**; includes: (1) 3rd Party Interface Development Software; (2) A dedicated Security Certificate allowing server and client access for one 3rd Party Interface Application; and (3) A 3rd Party Feature Code allowing one 3rd Party Client connection to a single TrueSite Workstation; **Note:** A 579-1155 Software Customer Information Form is required to be submitted with the order.
	4190-5065	**TrueSite Workstation Feature Upgrade**; includes the latest TrueSite Workstation software version and an Upgrade Feature Code to enable new standard features (new optional features are selected separately); without this upgrade, installing the latest software version provides updated performance improvements over previous versions but does not include new standard software features.
	4190-5067	**TrueSite Workstation Mobile Client Feature**; quantity of (1) enables TrueSite Workstation information to be accessed from compatible mobile devices; access for mobile clients is enabled by entering an authorized feature code at the server; see data sheet ***S4190-0024*** for more information
	4190-5069	**TSW Maintenance License**; This is a maintenance model number for support operations such as dongle replacements and Software Maintenance Agreement (SMA) upgrades.

Table 7: 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	**3rd Party Interface Client** for adding additional 3rd Party Client connections to an existing TrueSite Workstation 3rd Party Interface; includes a 3rd Party Client Feature Code for the selected quantity of concurrent 3rd Party Client Connections to a single TrueSite Workstation (maximum of five (5) per server) **Note: 1.** A 579-1155 ***Software Customer Information Form*** is required to be submitted with the order. **Note: 2.** When adding 3rd Party Interface Clients to more than one TrueSite Workstation Server, each server requires its own 4190-5066 Remote Client Selection; if a new 3rd Party Interface Application is being 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 require per connection (see below)
Transient Suppressed Connector(select as required)	4190-6002	Transient Protected Connector, select one per connection to a standard PC RS-232 serial port
	4190-6026	Transient Protected Connector for Quad Serial Port Card; one required per 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
USB Ethernet Adapter	4190-6059	USB 3.0 to Gigabit Ethernet NIC Network Adapter. This allows additional RJ45 Ethernet port using available USB ports on TSW Desktop PCs to be used either for connecting to an ES Net NIC card or to a building network. **Note:** When using the Incident Commander Desktop PCs (4190-7032 and 4190-7034) the USB Ethernet Adapter does not currently meet ULC standards.

Table 7: Remote Client and Network Related Product Selection

Category	Model	Description
Fire Alarm Ethernet Switch	4190-6050 Eight wired Ethernet connections	Fire Alarm Ethernet Switch, 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 below for suppressor details; Ethernet Switch power shall be provided by a listed fire alarm power supply; see data sheet S4190-0018 for more information
	4190-6054 Four wired Ethernet connections and two single-mode fiber optic connections	
	4190-6055 Four wired Ethernet connections and two Multimode fiber optic connections	

Table 8: 4120 network options

Option	Configured	Aftermarket	Description		Size	Alarm/Supv.
Network Interface Modules (two maximum)	4190-6061	4190-9829	Modular network interface card (select media modules separately, listed below); PCI slot card; supports Class B or Class X operation		1 PCI slot	46 mA
Media Modules for Modular Network Interface (as required)	4190-6036	4190-9822	Wired Media	Mounts on 4190-6061 or 4190-9829 modular network interface card (up to 2 media cards per network interface card). Maximum of 1 left port and 1 right port duplex fiber media card per 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 (refer to data sheet S4100-0056 for full fiber media module specifications and retrofit information)	N/A	55 mA
	4190-6301	4190-9851	Left port, single-mode 4120 duplex fiber media card			
	4190-6302	4190-9852	Right port, single-mode 4120 duplex fiber media card			
	4190-6303	4190-9853	Left port, multi-mode 4120 duplex fiber media card			
Media Modules for Modular Network Interface (as required)	4190-6304	4190-9854	Right port, multi-mode 4120 duplex fiber media card			
Note: For additional information on 4120 Networks and 4120 network product specifications see data sheet S4100-0056.						

Table 9: 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 (4) built in Ethernet ports, supports (1) additional media card. Ports A and C can be configured 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		

Note:

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 see data sheet S4100-0076.

Table 10: 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 (4) built in Ethernet ports, install to a single slot in a 4100ES bay. Supports up to (2) additional media cards. Ports A and C can be configured for earth fault detection.	One slot of a 4100ES bay	120 mA
4100-6310	Flat - install to any (2) vertical block space in a 4100ES bay		2 vertical blocks	

Note:

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 11: 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 per network-connection requirements; mounts on the supplied ES NIC(s); (1) media card per external NIC network interface card. Dual Channel Media Cards provide 2 ports for input and output connections. Field connections require proper port pairing, refer to ***579-1258 ES Net Dual Channel Fiber, Ethernet, and DSL Media Card Installation Instructions*** 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 12: Programming

Category	Model	Description
Programming (select)	4190-8122	TrueSite Incident Commander Programming; select Programming Items below
Programming Items (select items per 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)
	4190-4008	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 (1) Existing IMS Screens to TrueSite Incident Commander Screen
Programming Items (select items per 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 (1) Emergency Communications/Mass Notification Control Screen

Hardware Reference for Mounting TrueSite Incident Commander in Bay 2 of a 4100ES Fire Alarm Control Panel

Table 13: Ship with bay 2 empty

Required Identifier	Description
4100-7909	Designates that the 4100ES fire alarm control panel is to be shipped with bay 2 empty

Table 14: 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 & Dress Panel	2975-9459	2975-9457	2975-9460	2975-9548
Separate Box and Door (select if boxes and doors are required to be shipped separately)	Box only	2975-9439	2975-9440	2975-9408	2975-9409
	Glass Door & Dress Panel	4100-2107	4100-2108	4100-2127	4100-2128

Table 15: Remote Annunciator Panel Option

Model	Description
4100-9615	**Remote Annunciator Panel Mount**; includes expansion bay with power distribution interface module (PDI); **Bay 2 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; also allowed: 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 per hardware for control panels above; refer to data sheet ***S4100-0038*** for more Remote Annunciator details; **Note:** Refer to Power Supply Application Reference for power supply applications guidelines.

TrueSite Incident Commander Desktop Dimension Reference

TrueSite Incident Commander Equipment Specifications

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

Table 16: Panel Mount Touchscreen Computer/Monitor

Model*	Space Requirement	Current Requirements with 24 VDC Power from Control Panel		
4190-7031 4190-7033	Mounts in bay 2 of a 2-bay or 3-bay 4100ES cabinet	**4190-7031 or 4190-7033 with Modules Listed**	**Supervisory**	**Alarm**
		with 1 4120 Network Card	2.1 A	2.25 A
		with 2 4120 Network Cards	2.37 A	2.52 A
		with 1 4120 Network Card and 1 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 17: Desktop Touchscreen Computer/Monitor

Model*	Dimensions	Input Power
4190-7032 4190-7034 4190-7014	17 13⁄16 in. W x 16 11⁄16 in. H x 8 ¾ in. D (452 mm x 425 mm x 221 mm)	2 A @ 102-132 VAC, 60 Hz (240 W) Operating Range: 100-240 VAC, 50/60 Hz
Note for Table 16 and Table 17:* All models include a separate 120 VAC power supply module. It provides normal power for desktop operation and can be used for separate pre-installation setup for 4100ES cabinet mount models. A 120 VAC cord is included; NEMA 5-15P plug to IEC-320 C-13 connector. For 230/240VAC use, locally obtain a cord in compliance with local safety standards. Agency listing is at 120 VAC, 60 Hz.		

Table 18: TrueSite Incident Commander Computer Feature Summary**

Features		
General Specifications	i5 2.4 GHZ (minimum) PC with cooling fan (4) GB RAM (minimum) (2) PCI Slots (2) 500 GB Hard Drives (minimum) (1) DVD/RW Drive	(2) Integral Amplified 2 Watt Speakers (1) VGA Video Output (required for optional 2nd monitor) Includes compact USB keyboard and mouse 100 mm VESA Mounting Interface

Table 19: TrueSite Incident Commander Server Computer Port Reference**

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.

Table 19: TrueSite Incident Commander Server Computer Port Reference**

Specification	Rating
Event Printing*	For agency listed proprietary supervising station operation and for other operations, if an event printer is desired, a supervised and dedicated Simplex model 4190-9027 agency listed dot matrix printer is recommended; connection is to USB, or Serial RS-232 port of the Server PC (see data sheet S4190-0027 for 4190-9027 printer details)
Other Printing*	For report, screen, or graphics printing, a Windows 7 compatible printer may be used; connection may be USB, Serial RS-232, or LAN/WAN connection through Ethernet
Printable Information	Event printing (with supervised and dedicated dot matrix printer 4190-9027 as explained above)
	Auto-print of auto-jump graphics; prints to Windows default printer
	Reports: Historical logs, System Activity, TrueAlarm Status, TrueAlarm Service, TrueAlert Self-Test, Analog Monitor ZAM Calibration, and Active List; displayed reports can print to a LAN connected (unsupervised) printer
	Screen captures (configurable as negative images to reverse black backgrounds)

Notes for Table 18 and Table 19:
***** Parallel port printer connection is supported on 32 bit operating systems only.
****** 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 meeting the stated minimum specifications. However, due to computer manufacturers potentially using unique and/or proprietary drivers, hardware, or other software not tested with TrueSite Workstation software, there may be incompatibilities. If other computers are used, 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 20: 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/Client Operation

TrueSite Incident Commander Computer. The TrueSite Incident Commander computer provides the functions of the Server and the system configuration tools. To access the desired features, a valid, active software license is supplied and is required. For systems not using Remote Clients, the setup of the TrueSite Incident Commander PC is similar.

Remote Client. For access to TrueSite Incident Commander information at a remote location, a compatible computer, connected by a Local Area Network (LAN) is equipped with Remote Client software. There are two types of Remote Clients, those with a restricted feature set (not capable of control); and those with a password protected feature set (capable of control). Refer to data sheet *S4190-0018* for additional information about creating a proprietary fire alarm remote client LAN.

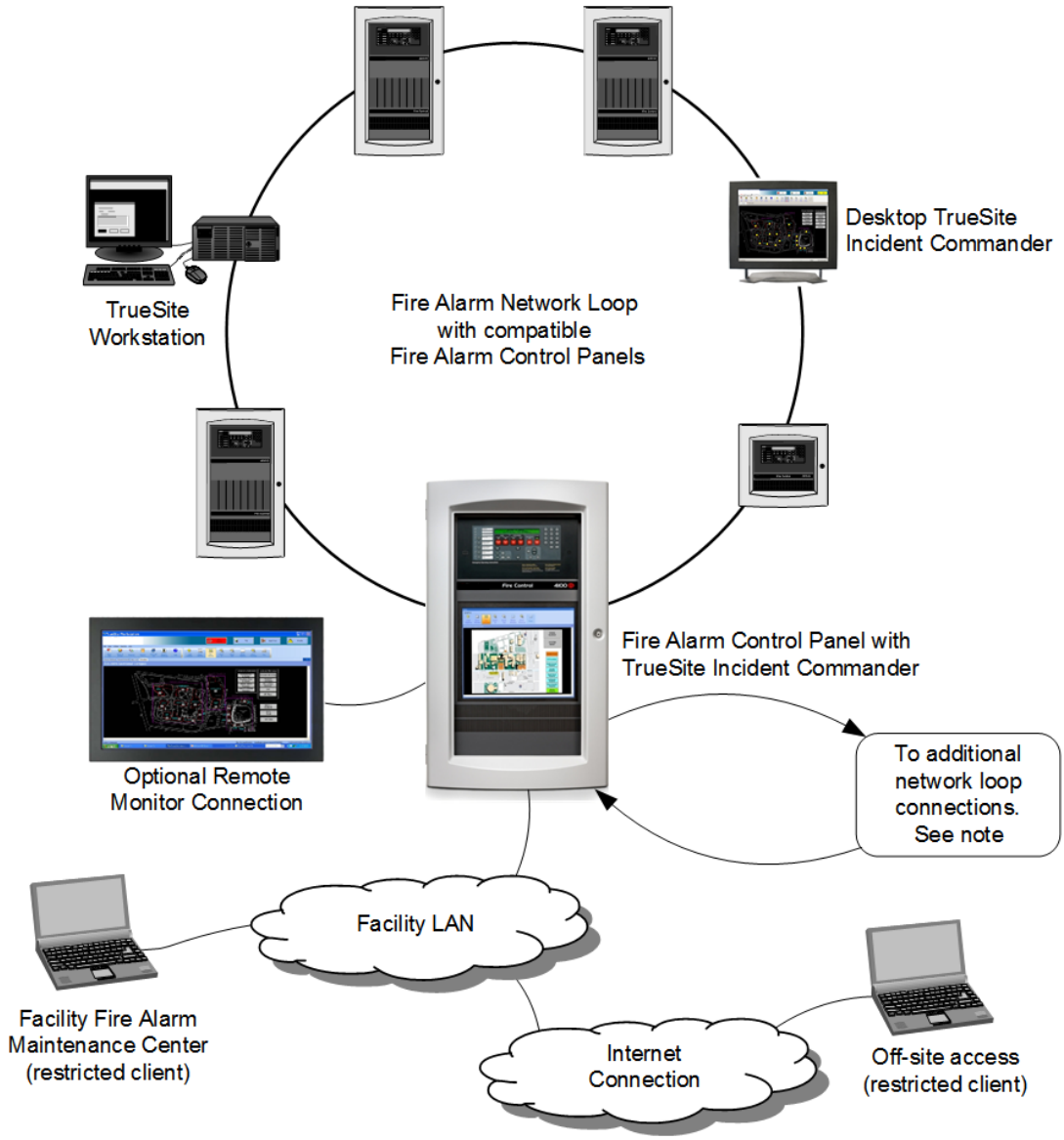
Supervised or Unsupervised Remote Clients. Remote Clients can be designated as Supervised or Unsupervised. When Supervised, the connection is monitored by the TrueSite Incident Commander and a loss of connection is audibly reported at both ends along with a dialog screen. When unsupervised, only the client end displays a trouble dialog indicating disconnection from the Server. Remote clients may be laptop computers or other computers used for other functions and are periodically connected to query system status or create reports. (Refer to TrueSite Workstation data sheet *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 capable of being on-line 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 TrueSite Incident Commander Server or Remote Client to a TCP/IP local area network is 3 Mbps.

Anti-Virus Software. When either the TrueSite Incident Commander Server or Remote Client computer is connected to a TCP/IP network other than a dedicated Fire Alarm network, it is highly recommended that regularly updated anti-virus software protection be installed on each connected computer. The TrueSite Incident Commander has been verified as compatible with Symantec EndPoint Protection 12.1.3 and McAfee Enterprise 8.8.

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 data sheet ***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 are connected to the server using a dedicated Fire Alarm Network
- Refer to data sheet *S4190-0018* for details about Fire Alarm Network Ethernet Switches

Additional agency listings reference:

Restricted feature remote client software on compatible computers (listed for standard office use) provide annunciation features only and can be connected using a facility LAN without system listing impact

Power Supply Application Reference

When the TrueSite Incident Commander is panel mounted, the following power supply applications guidelines apply.

1. The power supply used to power the TrueSite Incident Commander must be dedicated to the TrueSite Incident Commander and internal card power only.
2. IDNet communications, Signal power, or Auxiliary (aux) power loads must be connected to a separate expansion power supply.

Additional Reference

Table 21: Additional Reference

Description	Document
4100ES Basic Panels with SPS Power Supplies	*S4100-0031*
4120 Network Products and Specifications	*S4100-0056*
ES Net Products and Specifications	*S4100-0076*
4100ES Basic Panels with EPS Power Supplies	*S4100-0100*
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 configured per the following:

1. Select model 4190-8401

   Note: Cannot be used for Supervising Station or Security Monitor applications.
2. Provide an **audio system microphone mounted adjacent to the TrueSite Workstation**, either located within a 4100ES (or 4100U) Fire Alarm Control Panel or Remote Annunciator Panel, or use a Remote Microphone Assembly.
3. The 4100ES/4100U microphone options are Model 4100-1243 for Fire Alarm Control Panels and Model 4100-1244 for Remote Annunciator Panels (refer to data sheet *S4100-0034* for details).
4. Remote Microphone Assembly Model 4003-9803 mounts separate from the control panel (refer to data sheet *S4100-0053* for details).
5. **Note:** At least **two monitors must be connected** to provide the necessary display information (see exception below). One monitor is required to display the speaker zone status and the other monitor is required to display the event screen.
6. **Exception:** If a 4100ES/4100U Network Display Unit (NDU) is mounted adjacent to the TrueSite Workstation for network audio control with microphone access, a second monitor may not be necessary if the audio control status is viewable. Review the application with the local authority having jurisdiction (AHJ).