Description

You can use the TrueSite Incident Commander Graphical Annunciator to annunciate and display the status of Simplex fire alarm networks on a computer graphical interface.

The TrueSite Incident Commander Graphical Annunciator includes a touchscreen computer, monitor, hard drive, and required input and output connections in single assembly. You can install it in a 4100ES fire alarm control unit (FACU) or remote annunciator with power from the fire alarm power supply and secondary batteries. You can also use the TrueSite Incident Commander Graphical Annunciator for desktop applications.

Features

- TrueSite Incident Commander Graphic Annunciator with 4100ES mounting for the Simplex TrueSite Graphical Annunciator
- All-in-one touchscreen computer and monitor that mounts in a 4100ES cabinet, powered from the fire alarm system power supply and battery backup
- 4100ES mounting with battery brackets for seismic area protection, see Seismic testing
- High resolution touchscreen monitor
- Includes Windows 10 Enterprise 64-bit
- Hinged mounting bracket for service access
- Available for desktop use at 120 VAC with an included power supply module
- Available connections for printers or other compatible systems

Graphic annunciator functions

- You can connect the graphic annunciator to the Simplex fire alarm Network as a node to access remote FACU status
- You can provide annunciation 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 .
- You can log up to 500,000 events

Graphics screens

- You can display windows on dual monitors. For example, you can display the alarm list on one monitor and the graphics window on the other.
- You can pan-and-zoom for precise navigation
- You can use configurable coverage zones to highlight an area of activity without zooming in
- You can use auto-jump to jump to a view of a graphic or alarm list at a pre-configured zoom level
- You can display fire service annunciation icons and custom alarm and system messages. This can guide emmergency responders with critical fire response information, for example HAZMAT locations and contact information
- You can use the web browser command link to create a button on a graphics screen to open an external web page or link

Compatibility

- Compatible with Simplex ES Net and 4120 Networks.
- Server and clients are compatible with Windows 7 and Windows 10 Professional or Enterprise, 32-bit and 64-bit. Clients are also compatible with Windows 7 Home Premium and Windows 10 Home, 32-bit and 64-bit.

Security

- You can create 8 to 16 alphanumeric passwords with configurable lockout for quantity of failed attempts
- You can create multiple password-controlled operator levels

Data backup

- You can use Backup Utility to automatically backup directories with TSW job data to the secondary hard drive. You can use Backup Utility with systems that do not use RAID.
- You can use RAID 1 to create a real-time mirror image on a secondary hard drive. Operation transitions to the alternate drive on a drive failure without loss of operation. RAID support is available to systems that do not use Backup Utility.

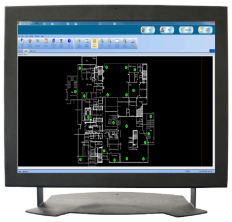
Agency listings

- UL 864 as Fire Alarm Control Unit Annunciator (UOXX.S771)
- UL 1076 as Proprietary Burglar Alarm Unit (APOU.BP2801)
- UL 1610 as Central Station Burglar Alarm Control Unit (AMCX.S771)
- ULC-S527 as Fire Alarm Control Unit Annunciator (UOXX7.S771)
- ULC/ORD-C1076, Proprietary Alarm System Annunciator (APOU7.S771)
- UL 1076, Proprietary Burglar Alarm Multiplex Receiving Unit (APOU.S771)

Figure 1: TrueSite Incident Commander Graphic Annunciator in bay 2 of a 4100ES FACU



Figure 2: Desktop TrueSite Incident Commander Graphic Annunciator



Additional system features

- You can use node name to include a description of the building or area that is associated with a point. This displays in the annunciator views and reports
- You can use the TrueSite Workstation Mobile Client to allow compatible mobile devices to access system information
- You can export TrueSite Workstation data to XML for report generation and customization
- You can use WAV sound files to create custom status annunciation with the computer
- You can display temperatures in Fahrenheit or Celsius

* See CSFM Listing 7300 0026:323 for allowable values and/or conditions concerning material presented in this document. 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 Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

Simplex fire alarm network capabilities

- You can add multiple graphic annunciators as nodes on the same fire alarm network for improved survivability
- You can connect wired or fiber optic media with standard fire alarm network connections
- You can connect up to seven separate network loops
- You can use graphical network diagnostic tools
- You can print events, TrueAlert self-test reports, service reports, and graphics screens with a compatible printer. See TrueSite Incident Commander product selection

Graphic annunciator operation

When changes to the status of the fire alarm network occur, the screen displays the type and location of the alarm, or other activity, and the appropriate header buttons display. In the alarm lists screen, Fire, Priority 2, Supervisory, and Trouble buttons display with an active Trouble. See Figure 4.

Sample screens

Figure 4 shows an example of the alarm lists sceen. Figure 3 shows an example of a system graphic screen with icons that represent devices. You can configure screen choices in accordance with system preference. You can view multiple windows simultaneously when you use multiple optional monitors.

Ease of operation

With touchscreen monitors, you can touch the screen area in alarm or use the mouse control to view more details of the alarmed zone or device. With the correct password access, you can acknowledge alarm and trouble conditions, activate signal silence, and perform a system reset directly from the workstation screens.

Programmable activity timeout

Unattended monitors display the login screen when the configured time expires.

Individual user preferences

The following individual user preferences display when the user logs 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

The display format is similar to the display for active list items such as the alarm list. You can sort the information by category, for example: number, time, date, and point name. You can review list information on the screen or print it from a local or remote system printer.

Customized response

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

Password control and access levels

You can create multiple access levels to match the training and responsibility of different operators. When an operator logs in, their access level determines the functionality they can access.

Graphics screens

Site and floor plan details

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

Graphic screen controls

You can add icons to identify the location and type of the device of interest. You can use the graphics control toolbar 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 also add a fixed area site plan, key plan, with action buttons and screen locator. A green rectangle in the key plan displays the pan and zoom. See Figure 3.

Custom banner and main screen background

You can customize the banner area. The bitmap area is 2250 x 68 pixels. You can also customize the main screen background that displays before login with a bitmap of up to 1000 x 525 pixels.

Action messages

In addition to screen text or graphic information, the operator can view specific action messages that provide emergency response information and directions. You can edit the action messages in the field for local requirements. The action messages display in the **Acknowledge Box**, see Figure 4.

Auto-jump to graphics or alarm list

You can select whether activity causes 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

Seismic testing

The 4100ES cabinet mounted TrueSite Incident Commander design has been seismic tested and is certified to IBC and CBC standards and to ASCE 7-05 categories A-F. To comply with these standards, use the battery brackets in *Battery Brackets for Seismic Activity Applications (S2081-0019)*.

Network diagnostics

You can display automatic, built-in diagnostics of network topology and network status. The diagnostics indicate missing communications links due to wiring breaks or shorts, and inactive network nodes. You can access information screens to display details for each network node. The diagnostics indicate network level functions, for example, timekeeper node and monitor node, and identify the node.

Multiple network connections

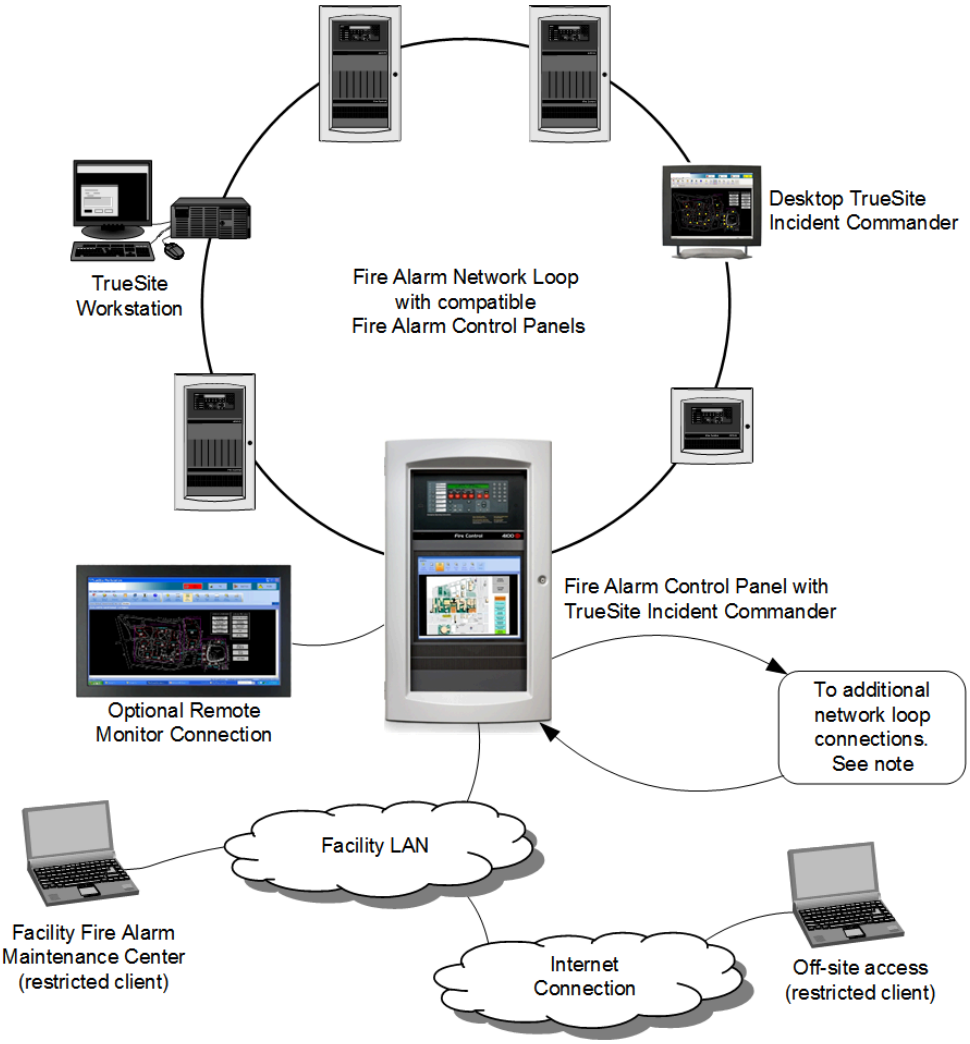
You can create multiple network connections for network expansion or interconnection of existing, separate networks. You can connect up to seven ES Net network loops to the TrueSite Graphic Annunciator. On a mixed network, you can connect up to five ES Net network loops and two 4120 network loops to the TrueSite Graphic Annunciator. You can connect each network loop to its own network interface module to display the annunciator as a node in each individual loop.

In a multi-loop network connection, the TrueSite Graphic Annunciator is a node member of each network loop. You can connect up to 98 additional nodes for each loop. This means you can interconnect up to 686 nodes and the TrueSite Graphic Annunciator, for a total of 687.

Anti-virus software

To ensure the security of your network, install anti-virus software if you use a TCP/IP network that is not a dedicated fire alarm network. Install regularly updated anti-virus software protection on each connected computer. The TrueSite Incident Commander Graphic Annunciator is compatible with Symantec EndPoint Protection 12.1.3 and McAfee Enterprise 8.8.

System overview reference



Note: You can connect an Incident Commander node 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 on multi-loop or multi-topology support, refer to data sheet *ES Net Network Applications, Communications, Options and Specifications (S4100-0076)*.

Multi-loop operation features

Improved survivability

- Individual network loops operate independently
- In the event of loss of one or more loops, remaining loops continue to operate

Loop independence

- You can add new loops without impacting existing loops

Phased-in system expansion assistance

- You can install each loop as a stand-alone network to allow local node programming to evolve as required
- When construction or renovation reaches completion, you can combine loops for coordinated facility protection

Multi-loop requirements

- Each loop requires a dedicated Network Interface Card
- Supports up to seven ES Net loops, or on a mixed network, up to five ES Net network loops and two 4120 network loops

Power supply application reference

When you mount the TrueSite Incident Commander Graphic Annunciator in an FACU, the following power supply applications guidelines apply:

1. You must only use the power supply for the graphic annunciator to power the graphic annunciator and internal card.
2. You must use a separate expansion power supply for the IDNet communications, signal power, or auxiliary power loads.

Additional network product reference

Table 2: Additional network product 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*
Fire Alarm Ethernet Switches for TrueSite Workstation	*S4190-0018*
TrueSite Graphic Annunciator	*S4190-0022*
Mobile Client for TrueSite Graphic Annunciator	*S4190-0025*

4120 version compatibility

You require the following software versions for compatibility with 4120 network products and TrueSite Incident Commander Graphic Annunciator:

Table 3: Fire alarm network interface

Network interface	Compatible version
4190 GCC/IMS/NPU	Master version 2.07 or later
4100U	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 4: 2120 SLI interface

Network interface	Compatible version
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

You require the following software versions for compatibility with ES Net network products and TrueSite Incident Commander Graphic Annunciator:

Table 5: 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 6: ES Net firmware requirements

Component	Required firmware version
4100ES panel	6.01 or later
4010ES panel	6.01 or later
4007ES panel	6.01 or later
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 following maximum TSW point capacities apply:
   a. Up to 250,000 ES network points and DACR points combined.

b. Up to 100,000 4120 network points. See note 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.

Sample screens

In Figure 3, the graphics screen displays dynamic local temperature readings from heat sensors (HS).

Figure 3: Sample graphic screen with detail enlargement and acknowledge box.

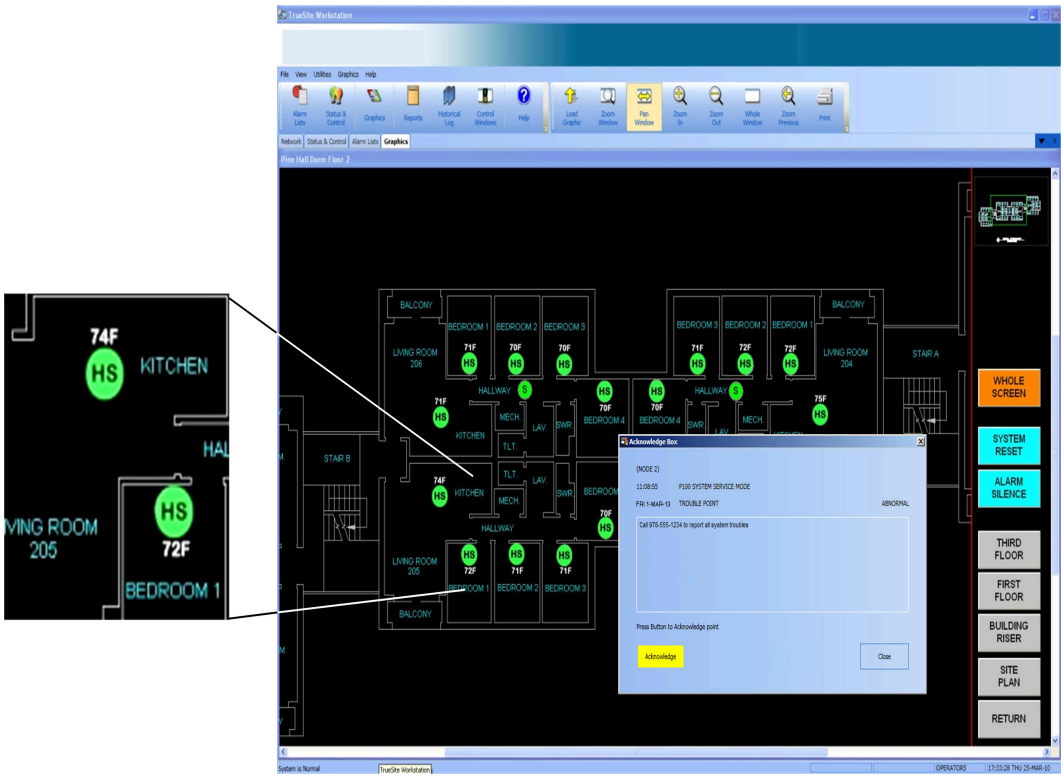
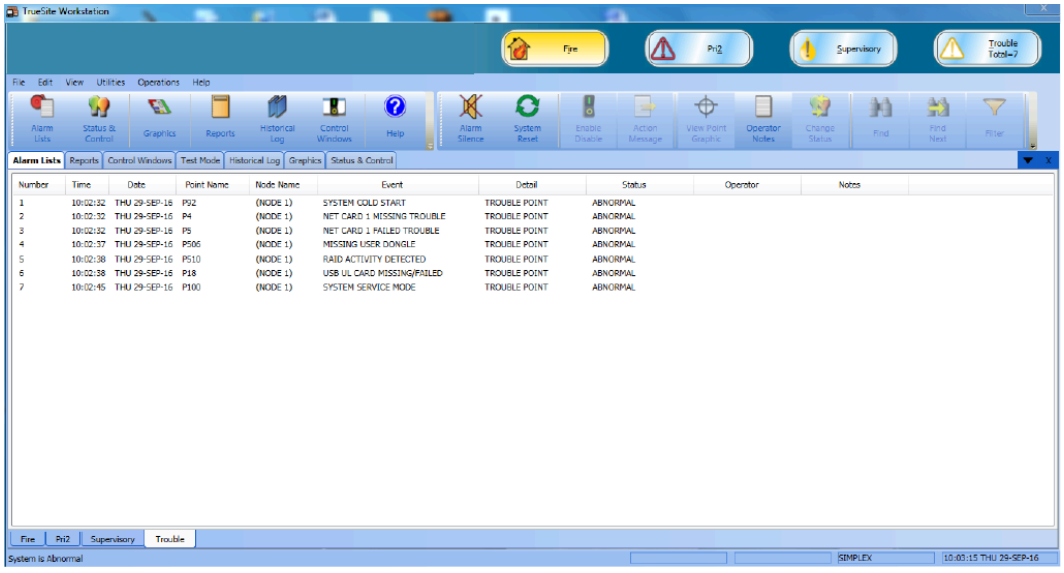


Figure 4: Sample alarm list screen



TrueSite Incident Commander desktop dimension reference

Figure 5: Desktop dimensions



TrueSite Incident Commander product selection

Table 7: Product selection

Category	Model	Description	
Hardware systems Select as required	4190-8407	TrueSite Incident Commander Graphic Annunciator. For status annunciation only, does not provide control capability	**Notes:** • Requires selection of computer type and applications software from this table. • LAN connections require Transient Suppressor, see the serial port connectors section in this table for details.
Aftermarket additions	4190-8901	Aftermarket hardware addition	
	4190-8605	Aftermarket software addition	
Computer type Select one as required	4190-7036	4100ES cabinet mounted Incident Commander computer, 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 or monitor with UL I/O Card, compact keyboard and mouse
	4190-7037	Desktop computer 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 Incident Commander computer, 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 Incident Commander computer, 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 computer, cabinet mounted or desktop. No OS. 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	

Table 7: Product selection

Category	Model	Description
Applications software Select one for each application	4190-5055	TrueSite Incident Commander Graphic Annunciator software. Requires selection of 4190-8407
	4190-5063	TrueSite Incident Commander Graphic Annunciator to TrueSite Incident Commander Workstation upgrade. Upgrades TrueSite Incident Commander Graphic Annunciator to full TrueSite Incident Commander control capability. Requires 4190-8605. **Note:** For additional control capability information and other options available with this selection, refer to data sheets *S4190-0020* and *S4190-0016*
Software feature option	4190-5067	TrueSite Workstation Mobile Client feature. A quantity of (1) enables TrueSite Graphic Annunciator information to be accessed from compatible mobile devices. You can enable access for mobile clients by entering an authorized feature code at the server. For more information, see data sheet S4190-0024.
	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:** Available only if you add control operations, 4190-5063. For further information regarding supplemental traffic, refer to ***ES Net Network Applications, Communications, Options and Specifications (S4100-0076)***.
	4190-5069	TSW maintenance license. This is a maintenance model number for support operations, for example, dongle replacements and software maintenance agreement (SMA) upgrades.
Serial port option	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 below.
Serial port connectors 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 TrueSite Graphic Annunciator LAN/WAN connection
USB Ethernet adapter	4190-6059	USB 3.0 to Gigabit Ethernet NIC network adapter. You can use this to connect an additional RJ45 Ethernet port that uses available USB ports on TSW desktop computers to an ES Net NIC card or a building network. **Note:** When you use the Incident Commander desktop computers, 4190-7032 and 4190-7034, the USB Ethernet Adapter does not currently meet ULC standards.

Table 8: 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 below. PCI slot card, supports Class B or Class X operation		1 PCI slot	46 mA
Media Modules for Modular Network Interface, as required	4190-9822	Wired Media	Mounts on 4190-6061 or 4190-9829 modular network interface card, up to 2 media cards for each 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. For full fiber media module specifications and retrofit information refer to data sheet S4100-0056.	N/A	55 mA
Media Modules for Modular Network Interface, as required	4190-9851	Left port, single-mode 4120 duplex fiber media card		N/A	55 mA
Media Modules for Modular Network Interface (as required)	4190-9852	Right port, single-mode 4120 duplex fiber media card		N/A	55 mA
Media Modules for Modular Network Interface, as required	4190-9853	Left port, multi-mode 4120 duplex fiber media card		N/A	55 mA
Media Modules for Modular Network Interface, as required	4190-9854	Right port, multi-mode 4120 duplex fiber media card		N/A	55 mA
Note: For additional information on 4120 Networks and 4120 network product specifications see data sheet S4100-0056.					

ES Net network options

Note: For additional information on ES Net networks and ES Net network product specifications see data sheet S4100-0076.

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 the ES Network. 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 10in x 10in x 2.5in.	120 mA
4190-9833	Platinum		120/240 VAC		
4190-9834	Red		24 VDC		
4190-9835	Platinum		24 VDC		

Table 10: ES Net NIC cards for 4100ES or TrueSite Workstation

Model	Card Type	Description	Size	Alarm/Supv.
4100-6310	Flat	Mounts in 4100ES cabinet. Connects a 4100ES FACU or TrueSite Workstation to an ES Net network. Supports Class B or Class X operation. Includes (4) built in Ethernet ports, install to any (2) vertical block space in a 4100ES bay. Supports up to (2) additional media cards. Ports A and C have earth fault detection.	2 vertical blocks	120 mA
4100-6104	Slot	Mounts in 4100ES cabinet. Connects a 4100ES FACU or TrueSite Workstation 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.	1 slot	120 mA
Note: TrueSite workstation connection is Class B, for Class X networks TSW connection must be 20 ft (6 M) maximum in conduit. Network interface cards include built-in Ethernet network communication ports, order optional media cards as required. A maximum of 1 ES Net NIC is supported.				

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 in accordance with network connection requirements. Mounts on the supplied ES NIC. (1) media card for each external NIC network interface card. For Dual Channel Media Cards, there are two ports for input and output connections. Field connections require proper port pairing. For additional information, refer to ***ES Net Dual Channel Fiber, Ethernet, and DSL Media Card Installation Instructions (579-1258)***	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: Hardware reference for mounting TrueSite Incident Commander Graphic Annunciator in Bay 2 of a 4100ES FACU

Model	Description
4100-7909	Designates that the 4100ES FACU is to be shipped with bay 2 empty

Table 13: Box and Door

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	Box only	2975-9439	2975-9440	2975-9408	2975-9409
Select if you require separate shipping of boxes and doors	Glass door and dress panel	4100-2107	4100-2108	4100-2127	4100-2128

Table 14: Annunciator

Model	Description
4100-9615	Remote Annunciator Panel Mount. Includes expansion bay with power distribution interface module (PDI). Bay 2 is dedicated for Incident Commander Graphic Annunciator, 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 in accordance with hardware for control panels. For more Remote Annunciator details, refer to data sheet S4100-0038 **Note:** For power supply applications guidelines, refer to Power supply application reference.

Equipment specifications

Note: The computer equipment and specifications are subject to change. For power supply applications guidelines refer to Power supply application reference.

Table 15: Panel mount touchscreen computer or monitor

Model, see note	Space requirement	Current requirements with 24 VDC power from FACU		
		4190-7031 or 4190-7033 with modules listed	Supervisory	Alarm
4190-7031 4190-7033	Mounts in bay 2 of a 2-bay or 3-bay 4100ES cabinet	With 1 4120 network card With 2 4120 network cards With 1 4120 network card and 1 quad serial card	2.1 A 2.37 A	2.25 A 2.52 A
Individual module current reference		4190-6034 quad serial card	270 mA	
Individual module current reference		4190-6061/4190-9829 modular network card with two media modules, either 4190-6036/4190-9822 wired, or 4190-6037/4190-9823	270 mA	
Note: 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.				

Table 16: Desktop touchscreen computer or monitor

Model, see notes	Dimensions, see Figure 5	Input power
4190-7032 4190-7034	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 @ 102-132 VAC, 60 Hz (240 W). Operating range: 100-240 VAC, 50/60 Hz

Notes:

- 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 17: TrueSite Incident Commander Graphic Annunciator computer feature summary

General specifications
i5 2.4 GHZ (minimum) computer with cooling fan
(4) GB RAM (minimum)
(2) PCI slots
(2) 160 GB hard drives (minimum)
(1) DVD/RW drive
(2) Integral amplified 2 Watt speakers
(1) VGA video output, required for optional second monitor
Includes compact USB keyboard, mouse and 100 mm VESA mounting interface
100 mm VESA mounting interface

Table 18: TrueSite Incident Commander Graphic Annunciator computer port reference

Specification	Rating
USB 2.0 serial ports	Six total: five in the rear, and one on the side. One rear port is used for the Annunciator Security Dongle.
Ethernet ports	Two RJ45 Gigabit Ethernet LAN ports
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)
PCI slots	Two available. The annunciator uses one PCI slot for the network interface card
Event printing, see note	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 computer. For 4190-9027 printer details, see data sheet *S4190-0027*
Other printing, see note	For report, screen, or graphics printing, a Windows 7 compatible printer may be used. Connection may be USB, RS-232 Serial, or LAN/WAN connection by 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
Note: Parallel port printer connection is supported on 32-bit operating systems only.	

Table 19: 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)

TrueSite Workstation software compatibility with unlisted computers

Simplex 4190 series TrueSite Incident Commander Graphic Annunciators are agency-listed for use with TrueSite Workstation software. For desktop applications where agency listings are not required, TrueSite Workstation software can run on most computers that meet minimum specifications. However, there may be incompatibilities due unique or proprietary drivers, hardware, or other software not tested with TrueSite Workstation software. If you use unlisted computers, correct operation of TrueSite Workstation software may require technical adjustments by a qualified computer technician. Any adjustments are the sole responsibility of the computer supplier and computer manufacturer.

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