Simplex

*UL, ULC, and CSFM Listed, FM Approved**

Datasheet

# TrueAlarm Fire Alarm Systems

Fire Alarm Network Annunciators TrueSite Graphic Annunciators Version 6.05

## Description

You can use TrueSite Graphic Annunciators to provide annunciation and status display for Simplex Fire Alarm Networks. The annunciators feature a personal computer based graphical interface with a high resolution, color display.

## Features

- Simplex® fire alarm network connected graphical interface
- Color graphical annunciation with 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.
- 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 up to four monitors to display multiple active windows. For example, you can put the alarm list window on one monitor and the graphics window on another
- You can configure coverage zones to highlight areas or zones within a graphics screen. You can use this to indicate the area of activity without zooming in
- You can choose captive or non-captive modes. Captive mode supports dedicated annunciator operation. Non-captive mode supports annunciator operation with other Windows® applications, for example word processing and spreadsheets, where annunciator activity takes precedence.
- Available connections for printers or other compatible systems

### Compatibility

- Compatible with Simplex ES Net and 4120 Networks
- Compatible with Windows 7 and Windows 10 Professional or Enterprise operating systems.
- Comark PCs do not currently support Windows 11 but you can use the TSW Server on Windows 11 for BSIU systems or non-listed systems. Full Windows 11 support is coming soon.

### Security

- Supports 8 to 16 alphanumeric passwords with configurable lockout for quantity of failed attempts
- Multiple password-controlled operator levels with selectable feature access
- Compatible with McAfee Total protection version 16.0 R48 and Norton 360 Deluxe version at 22.22.7.14.

### Logging and reports

- You can log up to 500,000 events. Information is compatible with spreadsheet and database programs for report customization
- You can print events, status and service reports, TrueAlert self-test reports, and graphic screens with a compatible printer. See Table 21 for printing details
- You can view scheduled automatic reports and historical log back up tasks

### Listings information

- UL 864 as Fire Alarm Control Unit Annunciator (UOXX.S771)
- UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771)
- ULC/ORD-C1076, Proprietary Alarm System Annunciator (APOU7.S771)
- ULC-S527 as Fire Alarm Control Unit Annunciator (UOXX7.S771)

### Additional annunciator system features

- You can use the TrueSite Workstation Mobile Client to allow compatible iOS and Android devices to access system information
- You can export TrueSite Workstation data to XML for report generation and customization
- 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 web browser command link to open an external web page or link on a graphic screen, including a webcam
- You can use RAID 1 to create a real-time mirror-image on a secondary hard drive. Operation automatically transitions to the alternate drive on a drive failure without loss of operation. RAID support is available to systems that do not use the backup utility.

**Figure 1: TrueSite Graphic Annunciator, shown with optional second monitor and expanded desktop**



- You can configure backup utility to automatically backup specified directories, for example TSW job data, to the secondary hard drive. The backup utility is available to systems that do not use RAID.
- You can use WAV sound files to create custom status annunciation with local onboard speakers
- You can display heat sensor temperatures in Fahrenheit or Celsius

### Graphic screens details

- You can choose either fixed, docked windows or floatable windows
- You can pan-and-zoom for precise navigation
- You can use auto-jump to jump to a view of a graphic or alarm list at a pre-configured zoom level
- You can create over 30,000 custom field generated and edited graphic screens
- You can import and export graphics screens in multiple formats. Refer to Graphics screens for details

### Additional Fire Alarm Network capabilities

- You can use multiple annunciators as nodes on the same fire alarm network to provide redundant operations for improved survivability
- You can connect to up to seven separate network loops
- You can use graphical diagnostic tools to identify network node and loop status
- Compatible with Information Management Systems (IMS) and Graphic Command Center (GCC) on the same fire alarm network
- You can connect to up to eight 2120 Multiplex systems with the 2120 Multiplex Serial Line Interface (SLI)
- You can use PanelNet Class X, redundancy, with the latest ES Net card firmware when a TSW node is present

### Computer and monitor options

- Computers are available as desktop with mouse or touchscreen
- The desktop LCD widescreen, high resolution LED backlit monitors are 24 in. class, 23.8 in. (605 mm) diagonal, are 1920 x 1080 resolution, and are available with or without touchscreen
- The wall mount LCD widescreen, high resolution monitors are 42 in. (1067 mm) diagonal, are 1920 x 1200 resolution, and are available with or without touchscreen
- The rack mount LCD high resolution monitors are 19 in. (483 mm)

* See CSFM Listing 7300 0026:323 for allowable values and/or conditions concerning material presented in this document. 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.

diagonal with touchscreen and are 1280 x 1024 resolution

## 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, see Figure 7, Fire, Priority 2, Supervisory, and Trouble buttons are shown with an active Trouble indicated.

### Sample screens

Figure 6 is representative of historical log screen detail. Figure 7 is representative of a system graphic screen with icons representing the devices of interest. You can configure screen choices in accordance with system preference. However, when using multiple optional monitors, multiple windows can be visible simultaneously for operator convenience.

### Ease of operation

With touchscreen monitors, the operator touches the screen area in alarm, or uses the mouse control, to access a more detailed view of the alarmed zone or device. With the proper password access, the operator can acknowledge alarm and trouble conditions, activate signal silence, and perform system reset directly from the workstation screens.

### Programmable activity timeout

Programmable activity timeout allows an unattended monitor to revert to the login screen when the configured time expires.

### Individual user preferences

The following individual user preferences appear 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

Figure 6 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. For example: number, time, date, and point name. You can review list information on the screen or print at a local or remote system printer.

### Customized response

You can add custom alarm and trouble messages and field edit them 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 Graphic Annunciator and fire alarm network training may be qualified for access to more detail. 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 areas beyond their training.

## Product image reference

**Note:** Graphics not to scale

**Figure 2: 24 in. desktop monitor**

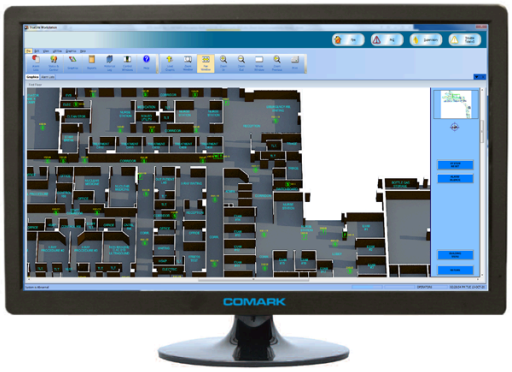



**Figure 3: 42 in. monitor**




**Figure 4: Desktop PC**



**Figure 5: Rackmount**



## Graphics screens

### Site and floor plan details

Graphics screens can provide easily recognizable site plan and floor plan information. You can customize the level of detail for the specific facility to easily and accurately direct the operator to the immediate area of interest.

### Graphic screen controls

The graphic portion of the screen, see Figure 7, is shown as a main screen but you can set it to float and move it to another monitor. You can add icons to identify the location and type of the device of interest. 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 also add a fixed area site plan, key plan, with action buttons and screen locator, see Figure 7. Pan and zoom are tracked by a green rectangle in the key plan.

### Custom banner and main screen background

You can customize the banner area, see Figure 6. The bitmap area is 2250 x 68 pixels. You can also customize the main screen background that is viewable 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. These action messages are easily field edited for local requirements. The appropriate action message would be found in the Acknowledge dialog box, see Figure 7.

### Auto-jump to graphics or alarm list

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

**Figure 6: TrueSite Workstation sample alarm lists screen**

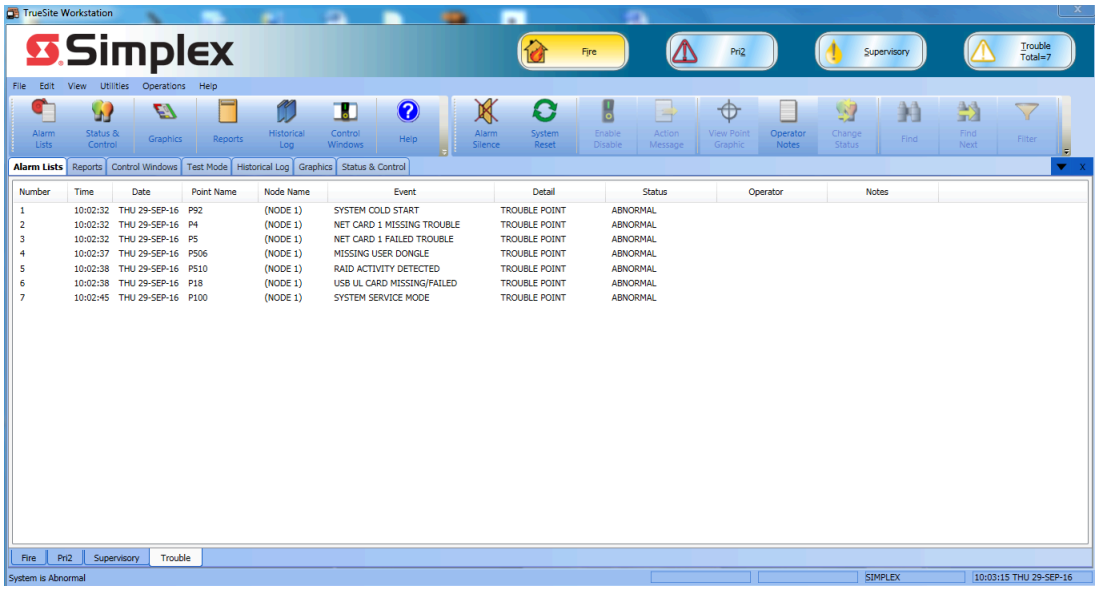
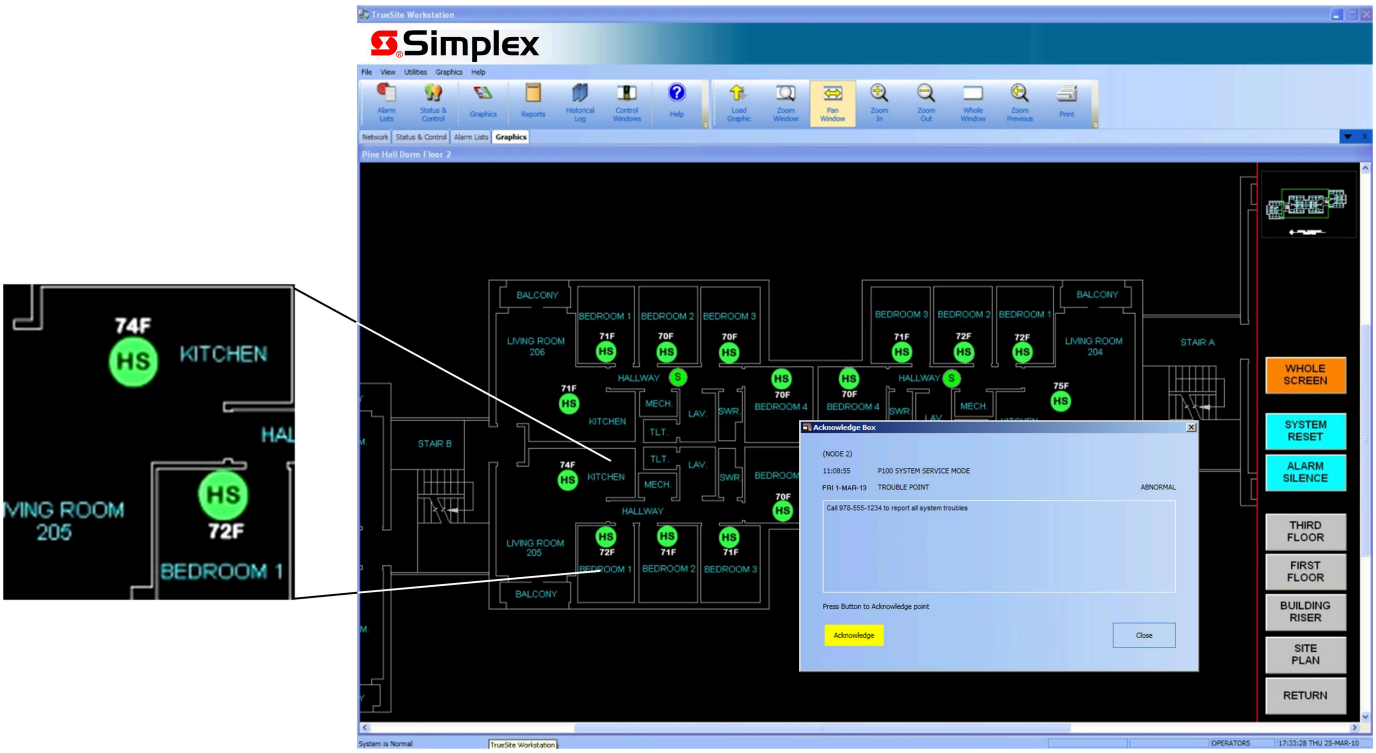


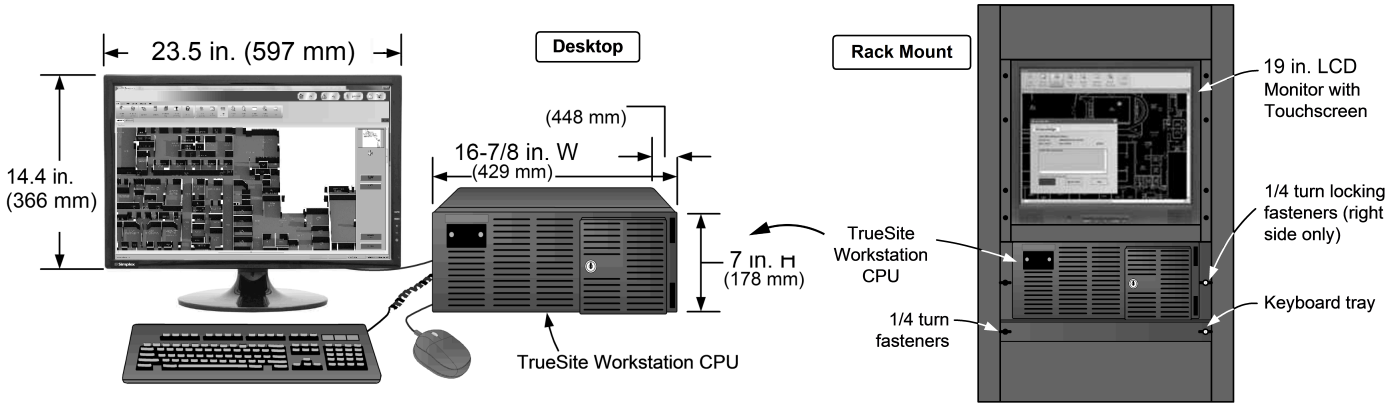
**Figure 7: TrueSite Workstation sample graphic screen with detail enlargement and Acknowledge Box**




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

## Hardware reference with 24 in. desktop monitor and 19 in. rack mount monitor

**Figure 8: Hardware example**




## 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.

## Multiple network connections

When extensive network expansion or interconnection of existing separate networks is required, you can connect up to seven network loops in any combination of ES Net and 4120 network loops to the TrueSite TrueSite Graphic Annunciator. Each network loop is connected to its own network interface module allowing the workstation to appear as a node in each individual loop.

With a multi-loop network connection, the TrueSite Graphic Annunciator is a node member of each network loop with up to 98 additional nodes for each loop. This allows up to 686 total nodes and the TrueSite Graphic Annunciator, 687 total, to be interconnected.

## 4120 version compatibility

4120 network product compatibility with TrueSite 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 |
| **2120 (SLI) Interface** | |
| 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 Graphic Annunciator requires the following software versions:

**Table 3: 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 4: 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 later, and ES panels at version 5.03, or later.
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:
   a. Up to 250,000 ES Net network points and DACR points combined.
   b. Up to 100,000 4120 network points. See notes in  for additional information.
   c. The combination of ES Net, DACR, and 4120 points are not to exceed 250,000 TSW points total.

## 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 affecting existing loops.

### Assistance with phased-in system expansion

- You can install each loop as a stand-alone network allowing 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 network loops in any combination of ES Net and 4120 network loops maximum

## Product selection

**Table 5: Hardware systems**

| Model | Description |
|---|---|
| 4190-8406 | **TrueSite Graphic Annunciator**<br>For status annunciation only, does not provide control capability. Requires selection of computer, monitor, and software from Table 6 |
| **Note:**<br>1. Requires selection of computer type from Table 7 , and applications software from Table 9 .<br>2. LAN connections require Transient Suppressor, see Table 12 for details. | |

**Table 6: Software only and aftermarket additions**

| Model | Description |
|---|---|
| 4190-8606 | TrueSite Graphic Annunciator Software Only package. Refer to Table 20 for computer specifications reference, listings and approvals are not applicable.<br>**Note:** Windows operating system is not provided. For software only packages purchase operating system locally as required. |
| 4190-8901 | Aftermarket hardware addition |
| 4190-8605 | Aftermarket software addition |

**Table 7: Computer type, select one as required**

| Model | Description | |
|---|---|---|
| 4190-7041<br>4190-7043 | Desktop | Computer with Intel® i7 6th Gen, 3.4 GHz CPU, 8 MB Cache, 32 GB RAM, a minimum of two 1TB Hard Drives, USB ULIO card, DVD R/W, integral audio and amplified speakers, onboard video for up to two displays one SVGA and one DVI, two RS-232 Serial ports, seven USB ports, two Gigabit LAN ports, Passive backplane with eight PCI, three PCIe x 1 and one PCIe x 16 slot, USB keyboard and mouse, charcoal grey housing. Computers are pre-installed with Windows 10 Enterprise 64 bit, including software package and license, and TrueSite Workstation software. 4190-7041 is configured with a file backup utility and no RAID controller, 4190-7043 is configured with RAID 1 data mirroring and no file backup utility. |

**Table 8: LCD color monitor**

| | Model | Size, Diagonal | Description | | |
|---|---|---|---|---|---|
| Monitor Only | 4190-7132 | 23.8 in. (605 mm) | LCD Monitor for desktop applications | | Select one minimum, four maximum, as required per computer choice. Connect as SVGA or DVI, both cables are included. Touchscreen models include separate serial controller cable, black or charcoal grey housings. For 3 or 4 monitors select 4190-6049 Dual Video Card. |
| | 4190-7114 | 42 in. (1049 mm) | LCD Monitor for horizontal wall mount applications | | |
| Monitor with Touchschreen | 4190-7233 | 21.5 in. (546 mm) | Desktop | LCD Monitor with touchscreen and built-in serial controller | |
| | 4190-7235 | 23.8 in. (605 mm) | Desktop | | |
| | 4190-7234 | 18.5 in. (470 mm) | Rack Mount | | |
| | 4190-7214 | 42 in. (1049 mm) | Wall Mount | | |

**Table 9: Applications software, select one per application**

| Model | Description |
|---|---|
| 4190-5055 | TrueSite Graphic Annunciator Software. Requires selection of 4190-8406 or 4190-8606 |
| 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. It requires 4190-8605.<br>**Note:** Refer to data sheets S4190-0020 and S4190-0016 for additional control capability information and other options available with this selection for more information. |

**Table 10: Software feature option**

| Model | |
|---|---|
| 4190-5067 | TrueSite Workstation Mobile Client Feature. Quantity of one, enables TrueSite Graphic Annunciator 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 |
| 4190-5068 | 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 the ES Net network.<br><br>**Note:** Available only if Control Operations (4190-5063) is added. For further information regarding supplemental traffic, refer to data sheet *ES Net Network Applications, Communications, Options and Specifications (S4100-0076)*. |

**Table 11: Internal hardware options, select as required**

| Model | Description |
|---|---|
| 4190-6034 | Quad RS-232 Serial Port Card, select when more than two serial ports are required; may be needed for 2120 SLI connections; **PCI Slot card** with pluggable terminal block output; up to 2 maximum; one 4190-6026 suppressor is require per connection (see below) |
| 4190-6049 | Dual Video Card for 64 Bit Operating System, PCIe x 16 Slot, 2 DVI outputs; select one for support of 3 or 4 monitors; Note: Dual monitor support is standard; onboard video is used for first two monitors, use optional 4190-6049 video card for monitors 3 and 4 |

**Table 12: Transient suppressed connectors, select as required**

| Specification | Rating |
|---|---|
| 4190-6002 | Transient Protected Connector, select one per connection to a standard 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 TrueSite Graphic Annunciator LAN/WAN connection |

## TrueSite Incident Commander Network product selection

### 4120 network options

**Note:** For additional information on 4120 Networks and 4120 network product specifications see data sheet *4120 Network Applications, Communications, Options and Specifications (S4100-0056)*.

**Table 13: 4120 network options**

| Option | Aftermarket | Description | | Size | Alarm/Supv. |
|---|---|---|---|---|---|
| Network Interface Modules, 7 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 | | 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 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 |
| | 4190-9851 | Left port, single-mode 4120 duplex fiber media card | | N/A | 55 mA |
| | 4190-9852 | Right port, single-mode 4120 duplex fiber media card | | N/A | 55 mA |
| | 4190-9853 | Left port, multi-mode 4120 duplex fiber media card | | N/A | 55 mA |
| | 4190-9854 | Right port, multi-mode 4120 duplex fiber media card | | N/A | 55 mA |

### ES Net network options

**Note:** For additional information on ES Net networks and ES Net network product specifications see data sheet *Addressable Fire Detection and Control Basic Panel Modules and Accessories (S4100-0076)*.

**Table 14: 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. Ports A and C have 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 | | |

**Table 15: 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. 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:**<br>1. Network interface cards include built-in Ethernet network communication ports, order optional media cards as required.<br>2. TrueSite Workstation connection is Class B, for Class X networks TSW connection must be 20 ft (6 M) maximum in conduit.<br>3. For TSW or Incident Commander UL 1610 Central Station Burglar Alarm Control Unit applications use the 4190 series External NIC. | | | | |

**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.

**Table 16: 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 NICs; one media card per external NIC network interface card.<br>Dual Channel Media Cards provide 2 ports for input and output connections.<br>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 17: Fire Alarm Ethernet Switch**

| Model | Type | Description |
|---|---|---|
| 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.<br>**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 multi-mode fiber optic connections | |

## TrueSite Graphic Annunciator equipment specifications

**Table 18: Computers and accessories, see note**

| Model | Description | Dimensions | AC power input* |
|---|---|---|---|
| 4190-7026<br>4190-7028 | Desktop Computer | 16 7/8 in. W x 7 in. H x 17 5/8 in. D (429 mm x 178 mm x 448 mm) | 2 A @ 120 VAC, 60 Hz (240 W)<br>Operating Range: 95-132 VAC; 180-264 VAC, auto-range; 50/60 Hz |
| **Note:**<br>1. Equipment and specifications may vary due to equipment design changes<br>2. Products are Agency listed for 120 VAC. Computers and monitors are shipped with 120 VAC cord, NEMA 5-15P plug to IEC-320 C-13 connector. For use with other voltages, locally obtain a cord in compliance with local safety standards. | | | |

**Table 19: LCD monitors, see note**

| Model | Description | Dimensions | AC power input, see note |
|---|---|---|---|
| 4190-7233 | 21.5 in. desktop with touchscreen | 20 3/16 in. W x 15 in. H x 8 11/16 in. D<br>(513 mm x 381 mm x 221 mm) | 0.4 A @ 120 VAC, 60 Hz (48 W)<br>Operating Range: 100-240 VAC, 50/60 Hz |
| 4190-7132 | 24 in. desktop | 23.5 in. W x 14.4 in. H x 1.6 in. D<br>(597 mm x 366 mm x 42 mm) | DC 12V, comes with external AC-DC Adapter (90-264VAC 50/60Hz) |
| 4190-7235 | 24 in. desktop with touchscreen | 23.5 in. W x 14.4 in. H x 1.6 in. D (597 mm x 366 mm x 42 mm) | |

**Table 19: LCD monitors, see note**

| Model | Description | Dimensions | AC power input, see note |
|---|---|---|---|
| 4190-7234 | 18.5 in. Rack Mount with Touchscreen | 17 3/4 in. W x 11 1/16 in. H x 2.022 in. D<br>(451 mm x 281 mm x 51.4 mm) | 1.5 A @ 120 VAC, 60 Hz<br>Operating Range: 100-240 VAC, 50/60 Hz |
| 4190-7114 | 42 in. Horizontal Wall Mount | 41 5/16 in. W x 25 1/4 in. H x 5 in. D<br>(1049 mm x 641 mm x 127 mm) | 2.02 A @ 120 VAC, 60 Hz (243 W)<br>Operating Range: 100-240 VAC, 50/60 Hz |
| 4190-7214 | 42 in. Horizontal Wall Mount with Touchscreen | | |

**Note:**
1. Equipment and specifications may vary due to equipment design changes
2. Products are Agency listed for 120 VAC. Computers and monitors are shipped with 120 VAC cord, NEMA 5-15P plug to IEC-320 C-13 connector. For use with other voltages, locally obtain a cord in compliance with local safety standards.

**Table 20: Computer minimum specifications reference, see note**

| Specification | Rating |
|---|---|
| Enclosure, see note | Passive backplane with: 7 PCI slots and 1 CPU slot; security features: key lock reset switch; fan monitor card; locked door protecting access to the CD/DVD R/W drives and one front mounted USB port |
| Computer, see note | Compatible with Microsoft Windows 10 32 and 64 bit operating systems, see page 1 for specific operating system compatibility, Intel i7 2.4 GHz CPU, or Core 2 Duo 2.1 GHz CPU, 8 GB RAM, 160 GB minimum hard drive; 2 Serial ports, 1 Parallel port, 4 USB ports, dual Gigabit LAN ports, USB keyboard and mouse; SVGA video output with 16 MB VRAM, CD/DVD Drive, PCI and ISA slots, as required, integral audio and amplified speakers, additional ports as required for custom features. For example: USB, Serial, Parallel |

**Note:** Simplex 4190 Series computers are Agency listed for use with TrueSite Graphic Annunciator software. For applications where Agency listings are not required, TrueSite Graphic Annunciator software should be compatible with most computers meeting the stated minimum specifications. However, due to computer manufacturers potentially using unique or proprietary drivers, hardware, or other software not tested with TrueSite Graphic Annunciator software, there may be incompatibilities. If other computers are used, proper operation with TrueSite Graphic Annunciator 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: Computer port reference, 4190-7026, 4190-7028**

| Specification | Rating |
|---|---|
| RS-232 Serial Ports | Two standard, up to 9 total with optional 4190-6034 Quad Serial Port Card |
| USB Serial Ports | Seven total; five in the rear and two in the front behind the locked door |
| Ethernet Ports | Two Ethernet ports and one Parallel port |
| Event Printing, see note in Table 22 | For agency listed Proprietary Supervising Station operation and for other operations, if an event printer is required, a supervised and dedicated Simplex Model 4190-9027 agency listed dot matrix printer is recommended. The connection is to USB or Serial RS-232 Port of the Server PC, refer to data sheet *S4190-0027* for printer details. |
| Other Printing, see note in Table 22 | For report, screen, or graphics printing, a Windows compatible printer can be used. Connection can be USB, Serial RS-232, or LAN/WAN connection via 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 |

**Table 22: 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) |
| **Note:** Parallel port printer connection is supported on 32-bit operating systems only. | |

## Anti-virus software

When the TrueSite Graphic Annunciator 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 Graphic Annunciator is compatible with McAfee Total protection version 16.0 R48 and Norton 360 Deluxe version at 22.22.7.14.

## Additional network product reference

**Table 23: Additional network product reference**

| Subject | Data Sheet |
|---|---|
| 4100ES Basic Panels with SPS Power Supplies | S4100-0031 |
| 4120 Network Products and Specifications | S4100-0056 |
| ES Net Network Products and Specifications | S4100-0076 |
| 4100ES Basic Panels with EPS Power Supplies | S4100-0100 |
| Fire Alarm Ethernet Switches for TrueSite Workstation | S4190-0018 |
| TrueSite Incident Commander Graphic Annunciator | S4190-0023 |
| Mobile Client for TrueSite Graphic Annunciator | S4190-0025 |

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