

Features**TrueSite Workstation fire alarm network functions:**

- Supports standard fire service annunciation icons to provide firefighter and first responders with critical fire response information
- Custom alarm and system messages can intuitively guide emergency responders; important information (HAZMAT locations, contact information, etc.) can be quickly presented
- Color graphical annunciation and control capacity for up to 50,000 points or point groups
- Extensive historical logging; up to 500,000 events with operator notations; information is compatible with spreadsheet and database programs for report customization
- Multiple password controlled operator levels with selectable feature access
- Available optional connections for printers or other compatible systems (see details on page 7)
- Operation is compatible with Windows® Vista® Business operating system (also compatible with Windows XP operating system)

Graphic screens details:

- Over 30,000 custom field generated and edited graphic screen capacity is available
- Multiple import and export formats are supported (refer to page 3 for details)

Enhanced operator interface features:

- **Floatable and dockable windows** allows windows to either be fixed (docked) or floatable; floatable windows and dual monitors allow the Alarm List Window to be on one monitor and the Graphics Window on the other
- **Pan-and-zoom graphic controls** features allow precise dynamic navigation within a screen for rapid and convenient selection of the area of interest
- **Configurable icon touch size** coordinates zoom level with the need to accurately select the icon of interest
- **User defined coverage zones** allow user defined areas or zones within a graphics screen to be highlighted to indicate the area of activity without zooming into the point of interest
- **Configurable zoom levels** provide an automatic zoom level when the point of interest is selected
- **Enhanced auto-jump** allows the screen view to be selected to automatically jump to the Graphic Screen Window at a predetermined zoom level with the active device centered on the screen; alternately, the system can be selected to auto-jump to the Alarm List window
- **Captive operation** dedicates the screen to the TrueSite Workstation; other applications are unavailable
- **Non-Captive operation** allows other Windows applications to function (word processing, spreadsheet, etc.); however, workstation activity takes precedence



TrueSite Workstations can Optionally Support Dual Monitors (shown as expanded desktop mode)

Features (Continued)**Simplex® Fire Alarm Network capabilities:**

- Multiple workstations on the same network can perform redundant operation or different functions
- Graphical diagnostic tools identify network node and loop status
- Connect to up to four separate network loops
- Set-host service functions allow access to remote network node data including individual TrueAlarm® analog sensors
- View or print TrueAlarm service reports and print graphic screens (see page 7 for printer compatibility)
- Compatible with IMS (Information Management Systems) and GCC (Graphic Command Center) on the same fire alarm network

Selectable packaging:

- Computer is available as desktop or **rack mount** with mouse operation and/or touchscreen operation providing convenient user interface
- High resolution (1280 x 1024) LCD monitors:
 - 17 or 19 inch diagonal standard desktop
 - 17 or 19 inch diagonal desktop with touchscreen
 - 19 inch diagonal rack mount with touchscreen
- Optional video card supports dual monitors providing either expanded desktop (dualview) or duplicate screen (clone) operation*

Agency listing details*:

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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 Safety Products Westminster.

Description

Network Annunciation. TrueSite Workstations 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.

Multiple Workstations can be installed on the same network for redundancy or to route (vector) point type annunciation to the appropriate workstation depending on type, location, or other criteria. A separate TrueSite Workstation can also be dedicated as a maintenance terminal for performing higher level network operations.

TrueSite Workstation 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 example shown below in Figure 1, Fire, Priority 2, Supervisory, and Trouble are shown.

Sample Screens. The screens shown in Figure 1 (below) and in Figure 2 on page 3, were captured from a TrueSite Workstation with an optional 4190-6038 video card providing an extended desktop area (dual view mode).

TrueSite Workstation Operation (Continued)

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 has the ability to acknowledge alarm conditions, activate signal silence, and perform system reset directly from the workstation 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 (default or large); Toolbar Size (small or large); Interface Theme (MS Office 2003 or System); Floating Window Options (select whether to show Menu bar or show Tool bar); Application Mode Options (captive environment or non-captive environment).

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.

Historical Log and List Details. Figure 1 below 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 (number, time, date, point name, etc.). 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.

Number	Time	Date	Point Name	Description	Point Type	Status	Operator	Notes
442	07:32:43	MON 18-JUN-07	2:P212	DETECTOR/SYSTEM RESET	UTILITY POINT	ON		
443	07:33:11	MON 18-JUN-07			NO FIRE ALARMS PRESENT, SYSTEM RESET COMPLETE			
444	07:36:18	MON 18-JUN-07			AUTOMATIC SYSTEM SHUTDOWN PERFORMED			
445	07:37:07	MON 18-JUN-07	P92	SYSTEM COLD START	TROUBLE POINT	ABNORMAL		
446	07:37:10	MON 18-JUN-07	A6	SYSTEM BASE YEAR	COUNTER	ON		
447	07:37:10	MON 18-JUN-07	A47	ENABLE OPERATION COUNTER SETPOINT	ANALOG VALUE	ON		
448	07:37:10	MON 18-JUN-07	A48	PC SPEAKER SHUT OFF TIMER SETPOINT	ANALOG VALUE	ON		
449	07:37:10	MON 18-JUN-07	A39	NUMBER OF CONFIGURED NETWORK LOOPS	COUNTER	ON		
450	07:37:10	MON 18-JUN-07	A58	REMOTE ACCESS LEVEL CONTROL	ANALOG VALUE	ON		
451	07:37:10	MON 18-JUN-07	A58	REMOTE MAX ACCESS LEVEL CHANGE FROM NODE 3	LEVEL 0 TO 7	CURRENT OPERATOR NOT AFFECTED		
452	07:37:17	MON 18-JUN-07			LOGIN AT MMI 3		OPERATOR # 005	
453	07:37:17	MON 18-JUN-07	NODE 0	LEFT END				
454	07:37:17	MON 18-JUN-07	NODE 0	RIGHT END				
455	07:37:17	MON 18-JUN-07	NODE 2	MONITOR				
456	07:37:17	MON 18-JUN-07	1:1	COMMON TROUBLE POINT FOR NODE: 1	NODE MISSING	TROUBLE		
457	07:37:17	MON 18-JUN-07	2:1	COMMON TROUBLE POINT FOR NODE: 2	NODE MISSING	TROUBLE		
458	07:37:59	MON 18-JUN-07			TROUBLE GLOBAL ACKNOWLEDGE AT MMI 1			
459	07:38:32	MON 18-JUN-07	P238	NETWORK INITIALIZATION IN PROGRESS	TROUBLE POINT	ABNORMAL		
460	07:38:33	MON 18-JUN-07	2:1	COMMON TROUBLE POINT FOR NODE: 2	SYSTEM PSEUDO STATUS	TROUBLE		
461	07:38:33	MON 18-JUN-07	2:1	COMMON TROUBLE POINT FOR NODE: 2	SYSTEM PSEUDO STATUS	TROUBLE		
462	07:38:32	MON 18-JUN-07	P238	NETWORK INITIALIZATION IN PROGRESS	TROUBLE POINT	ABNORMAL		
463	07:38:34	MON 18-JUN-07	1:2N9	FIRST FLR LOBBY PULL	UTILITY MONITOR	ABNORMAL		
464	07:38:32	MON 18-JUN-07	1:1	COMMON TROUBLE POINT FOR NODE: 1	SYSTEM PSEUDO STATUS	TROUBLE		
465	07:38:38	MON 18-JUN-07	1:P1419	HOTEL TERRACE PULL STATION	ALARM POINT	ABNORMAL		
466	07:38:38	MON 18-JUN-07	1:P265	ALARM IN NETWORK	UTILITY POINT	ON		
467	07:38:39	MON 18-JUN-07	1:P204	SIGNAL SILENCE ; SIGSIL ;	UTILITY POINT	ON		
468	07:38:39	MON 18-JUN-07	2:P265	ALARM IN NETWORK	UTILITY POINT	ON		
469	07:38:40	MON 18-JUN-07	2:P204	SIGNALS SILENCED	UTILITY POINT	ON		
470	07:38:46	MON 18-JUN-07			ALARM GLOBAL ACKNOWLEDGE AT NODE 3			
471	07:39:00	MON 18-JUN-07	1:2N9	FIRST FLR LOBBY PULL	UTILITY MONITOR	ABNORMAL		
472	07:39:11	MON 18-JUN-07	P96	SYSTEM RESET REQUEST	UTILITY POINT	ON		
473	07:39:11	MON 18-JUN-07			FIRE SYSTEM RESET REQUESTED			
474	07:39:11	MON 18-JUN-07			FIRE SYSTEM RESET IN PROGRESS			
475	07:39:11	MON 18-JUN-07	P96	SYSTEM RESET REQUEST	UTILITY POINT	OFF		
476	07:39:10	MON 18-JUN-07	1:P212	DETECTOR/SYSTEM RESET	UTILITY POINT	ON		
477	07:39:11	MON 18-JUN-07	2:P212	DETECTOR/SYSTEM RESET	UTILITY POINT	ON		
478	07:39:41	MON 18-JUN-07			NO FIRE ALARMS PRESENT, SYSTEM RESET COMPLETE			
479	15:00:08	MON 18-JUN-07			LOGIN AT MMI 3		OPERATOR # 005	
480	15:01:19	MON 18-JUN-07	1:P1419	HOTEL TERRACE PULL STATION	ALARM POINT	ABNORMAL		
481	15:01:20	MON 18-JUN-07	2:P265	ALARM IN NETWORK	UTILITY POINT	ON		
482	15:01:20	MON 18-JUN-07	1:P265	ALARM IN NETWORK	UTILITY POINT	ON		
483	15:01:20	MON 18-JUN-07	1:P204	SIGNAL SILENCE ; SIGSIL ;	UTILITY POINT	ON		
484	15:01:21	MON 18-JUN-07	2:P204	SIGNALS SILENCED	UTILITY POINT	ON		
485	15:01:41	MON 18-JUN-07	1:2N9	FIRST FLR LOBBY PULL	UTILITY MONITOR	ABNORMAL		

Figure 1. TrueSite Workstation Sample Historical Log Screen

Password Control

Multiple Access Levels. Operator access level is determined during log-in. Functional access needs to be selected to match the training and responsibility of the operator. Operators with additional TrueSite Workstation 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.

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. The graphic screen below was set to float and was moved to the right side monitor. 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 view buttons can be added with selectable area and zoom level.

Custom Banner and Main Screen Background.

The banner area shown with a Simplex logo in Figure 1 can be customized (bitmap area is 1024 x 68 pixels). The main screen background (viewable prior to login) can be customized with a bitmap of up to 1000 x 525 pixels.

Graphics Screens (Continued)

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 in the screen below would be found in the Acknowledge dialog box.

Auto-Jump to Graphics or Alarm List. Select per point 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, and 2007
- 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, and BMP

Individual Point Service Access

Qualified Operator Detail Access. The workstation 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.

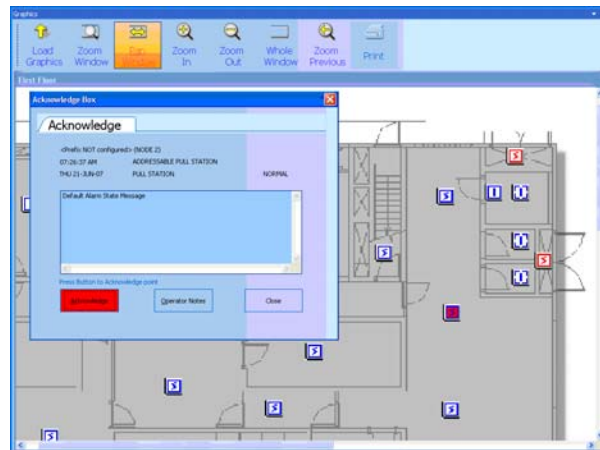


Figure 2. TrueSite Workstation Sample Graphic Screen

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, up to four network loops may be interfaced using the TrueSite Workstation.

Each network loop is connected to its own network interface module allowing the workstation to appear as a node in each individual loop. With the workstation as a network loop interface, information from one loop can be passed along to another loop.

With a multi-loop network connection, the TrueSite Workstation is a node member of each network loop with up to 98 additional nodes per loop. This allows up to 392 total nodes and the workstation (393 total) to be interconnected.

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:

- Loops can operate at different data rates to satisfy individual conditions (9600 or 57,600 bps, selectable per loop)
- New loops can be added without impacting existing loops

Assists with phased-in system expansion:

- Each loop can be installed as a stand-alone network allowing local node programming to evolve as required
- When construction or renovation reaches completion, loops can be combined for coordinated facility protection

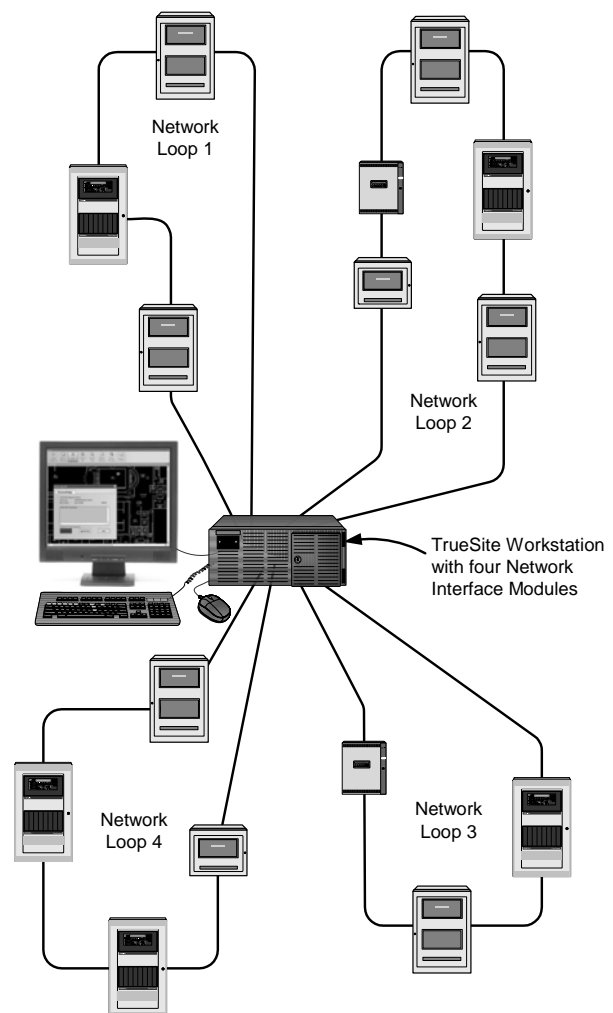
TrueSite Workstation hardware requirements:

- Each loop requires a dedicated Network Interface Card with two media modules
- A maximum of four Network Interface Cards are allowed per workstation

Revision Compatibility

Compatibility with TrueSite Workstations requires the following software versions.

Fire Alarm Network Interface (4120)	
4190 GCC/IMS/NPU	Master Version 2.07 (or later)
4100U	Master Version 11.03 (or later)
4100	Master Version 9.02 (or later)
4010	Master Version 3.01 (or later)



Typical Interface of Multiple Network Loops Using a TrueSite Workstation

Product Selection

Category	Model	Description
4190-9813	GCC or IMS to TSW Upgrade software only	Requires 4190-5050
4190-8603	TSW Software Only	Requires 4190-5050
4190-5050	True Site Workstation	TSW Software, License, Dongle, Documentation, Win XP Pro CD and License
4190-9820	IMS Network RS485 Module (PCI slot)	PCI Network Interface for fixed, wired in/out connections. Max QTY 4
4190-9821	IMS Network Modular Card (PCI slot)	PCI Network Interface for Media Modules (requires one media module for Style 4 and two media modules for Style 7). Max QTY 4
4190-9822	Wired Media Card - RS485	PCI Network Interface Media Modules (Hardwired)
4190-9823	Fibre Optic Media Card	PCI Network Interface Media Modules (Fibre Optics)

TrueSite Workstation Equipment Specifications

Computers and Accessories (Please note that equipment and specifications may vary due to equipment design changes)

Computer Minimum Specifications Reference*

Enclosure*	Passive backplane with: 7 PCI slots, 2 ISA slots, and 1 CPU slot; security features: key lock reset switch; fan monitor card; locked door protecting access to the floppy and CD R/W drives
Computer*	Microsoft Windows Vista or Windows XP compatible, 2.8 GHz minimum CPU with: 2 GB RAM, 2 Serial ports, 1 Parallel port, 2 USB ports, 1 PS/2 mouse port, 1 PS2 mouse & keyboard adapter cable; SVGA video output with 16 MB VRAM, CD R/W, 101 key keyboard, 1.44 MB floppy drive (optional), 40 GB minimum hard drive; two button PS/2 mouse with scroll wheel

* **PLEASE NOTE:** Simplex 4190 Series computers are Agency listed for use with TrueSite Workstation software. For 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.

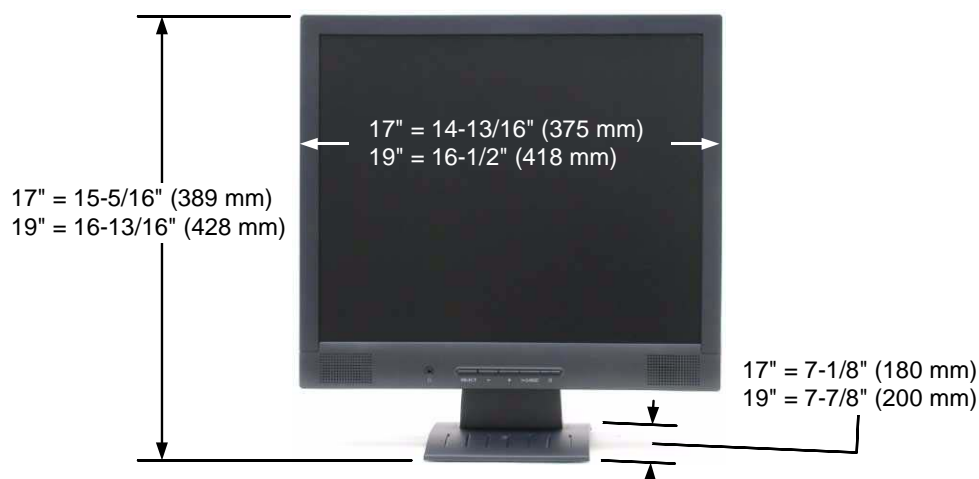
Computer Port Reference

RS-232 Serial Ports	Two standard, up to 10 total with optional 4190-9824 Quad Serial Port Card
Parallel Port	One available
Printable Information	Historical log reports, TrueAlarm Service Reports, System Activity Reports, and screen captures configurable as negative images to reverse black backgrounds
Automatic Printer Selection	Information can be routed (vectored) by type
Printer Compatibility	UL listed printer 4190-9013 is recommended (see data sheet S4190-0011); other serial or parallel port printers per Microsoft Windows Vista operating system compatibility
USB Serial Port Printers	USB connected printers will support graphics and Print Screen command (not report or event printing)

Environmental Specifications

Operating Temperature	32° to 120° F (0° to 49° C)
Operating Humidity	up to 93% RH, non-condensing, at 90° F (32° C)

LCD Monitor Appearance Reference



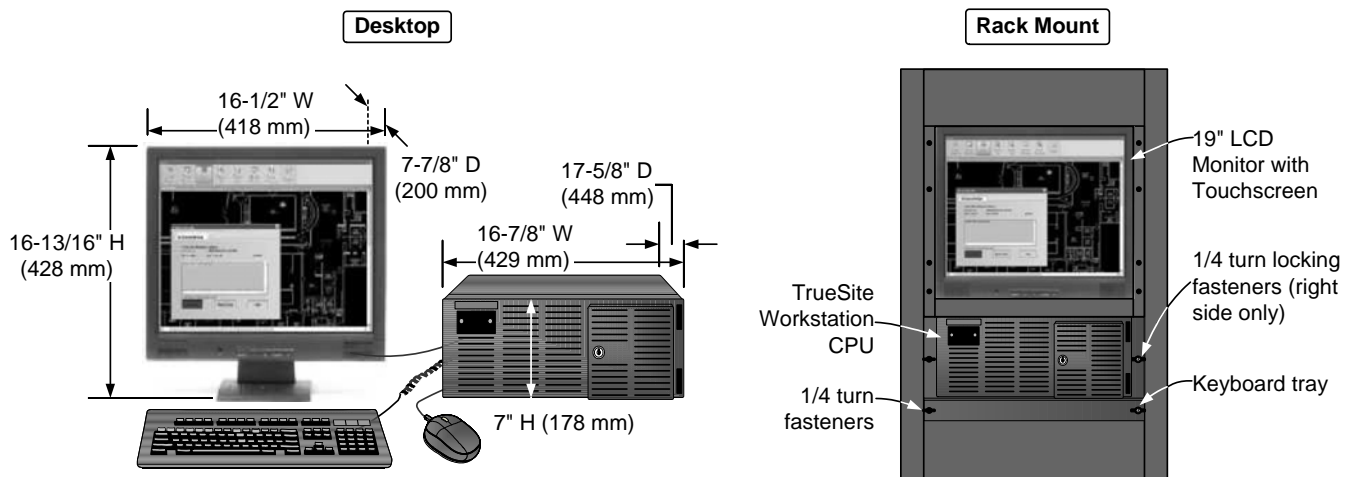
Hardware Requirements:

1. Each 2120 requires a dedicated RS-232 port in its CPU, configured for "Computer" interface, to be connected to a TrueSite Workstation serial port. Multiple 2120 connections may require the 4190-6034 Quad Serial Port Card, refer to information on page 6.
2. Disk copy of SLI "dump" file for each 2120 Multiplex System's existing point data must be downloaded using service software.
3. Each 2120 connection requires transient protection, refer to details on page 6.

Software Requirements:

1. All connected 4100/4120 network nodes require revision 8.03 or higher software.
2. Network Interface firmware must be 3.02 or higher.

Hardware Reference with 19" Monitor



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