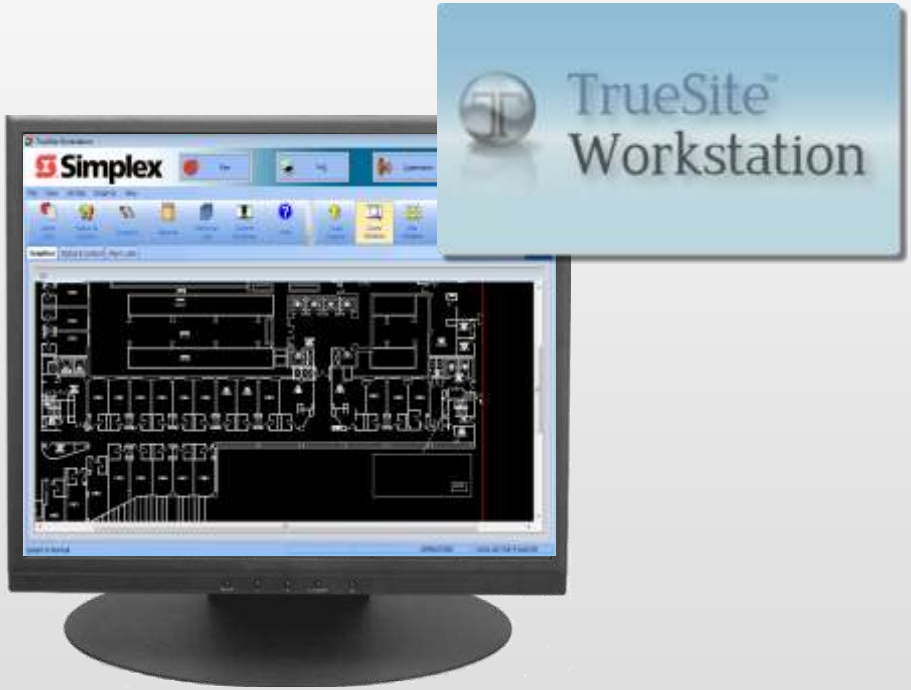
TrueSite™ Workstation Version 2.01 Enhancements



Target Sales Opportunities

- **GCC/IMS Upgrades:** allows existing GCC/IMS Customers to upgrade to the latest technology at a reduced cost
- **Medium-to-Large Network Systems:** integrate competitor and legacy systems into a centralized, agency listed, annunciation and information management network workstation

Customer's For Life!

Typical TSW Markets

- Single Buildings: 500,000 Square Feet or Greater
- Campus: Any Multi-Building Campus Facility
- Users: Building Fire & Security, Facilities & Engineering Management

High-Rise

Mid-Rise

Large Single Story

Multi-Building

Target Vertical Markets

Hospitals

College & University

Criminal Justice

Mass Notification

Industrial

Hospitality

Commercial

Government

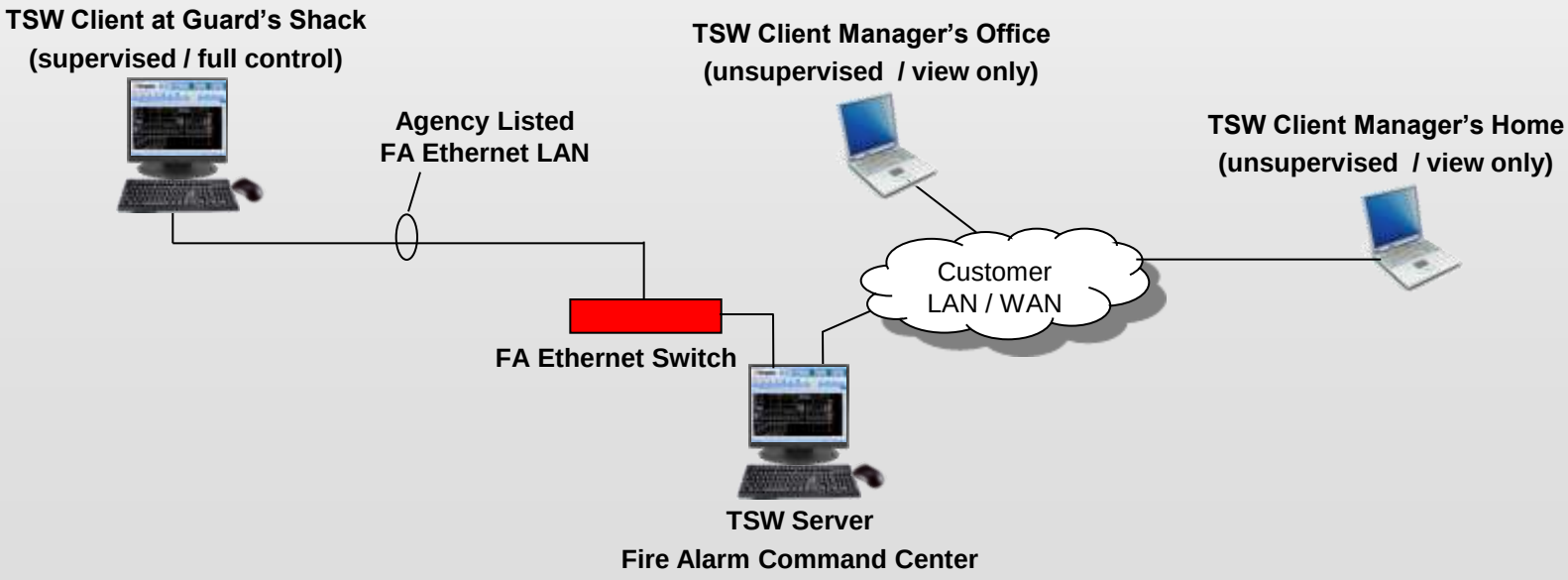
What is a TrueSite™ Workstation?

A State-of-the-Art Platform for Managing Multiple Fire Alarm Panels and Networks

- ✓ Multiple Remote Client Ethernet Connectivity to Leverage Customer's Existing LAN/WAN for Remote Graphics Annunciation
- ✓ Centralized Total System Monitoring of ANY Panel from ANY Manufacturer
- ✓ Centralized Point Status and Control
- ✓ Intuitive Operator Graphics to Facilitate Rapid Response to Emergencies and Reduced Operator Training
- ✓ System Diagnostic Tools to Simplify the Identification and Correction of Fault Conditions
- ✓ Extensive Service and Status Reporting for Verification of System Status and Performance
- ✓ Extensive Event/Alarm Historical Data Logging for Verification of System Activity and Operation

TrueSite™ Workstation Product Overview

- A PC-based, Life Safety Information Management System
- An Intuitive Graphical User Interface for High-End Primary Fire Alarm Workstation and Remote Workstation Applications
- Supports Multiple Remote Clients via TCP/IP Ethernet Connectivity

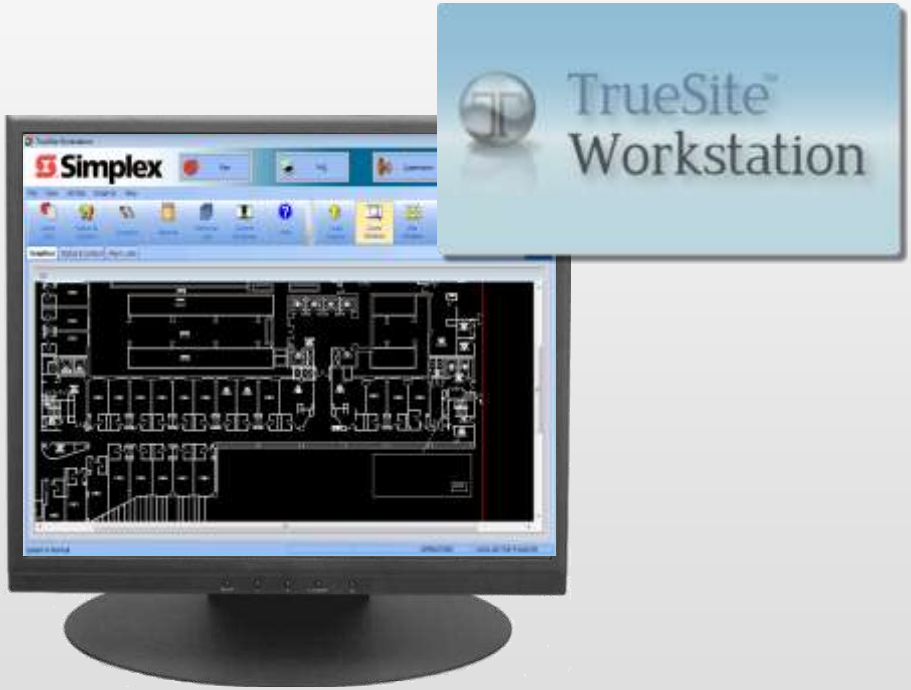


Key TSW Features Summary

- **Centralized Safety and Information Management**
- **Superior Technology:**
  - Multiple Remote Client Connectivity via Ethernet
  - AutoCAD Compatible Graphics Import and Export
  - Dynamic Pan-and-Zoom Graphics
  - Dockable and Floating Windows for Multiple Monitor Applications; e.g.
    - 1 Graphics Monitor / 1 Reports Monitor
- **Agency Listed, Seamless Integration of Any Panel from Any Manufacturer**
  - Optional DACR Interface bridges Competitive and Legacy Control Panels into a Central Annunciator Workstation
- **Intuitive Operation for Maximum Operator Efficiency and Minimum Training Requirements**
  - Accelerated Accurate Response Reduces Customer's Liability and Risks
- **Forward/Backward Compatibility with Existing Simplex Fire Network Systems**
  - Protects Customer's Investment & Reduces Life-Cycle Cost
  - Reduced Priced Upgrades are Available for Existing GCC/IMS Customer Systems

Customer Focus, Customer Value

TrueSite™ Workstation Ver 2.01 Enhancements Review



TrueSite™ Workstation 2.01 Enhancements

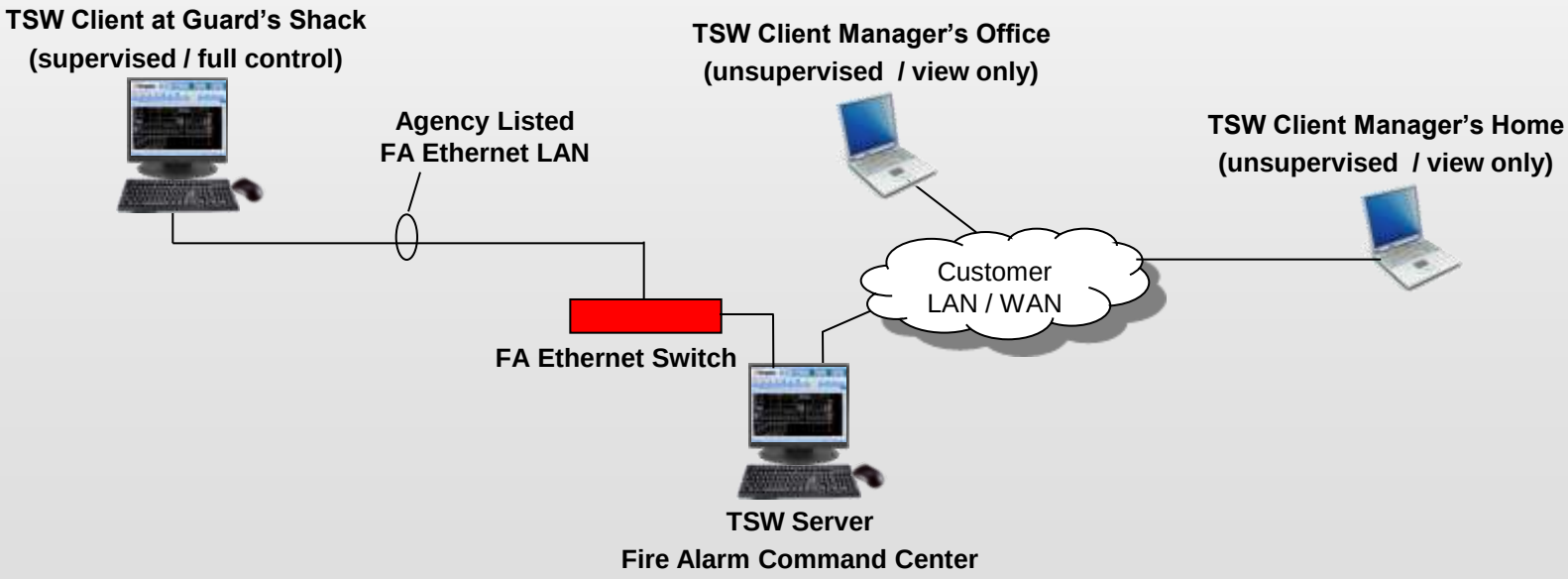
- TSW Client / Server Ethernet Connectivity
- 7 Network Loops
- Graphics Key Plan
- Non-Zoomable Screen Area
- Enhanced Coverage Zone Operation
- GIF and JPG File Import (supports animated GIF files)
- USB Event Printer and Network Graphics/Report/Screen Printing
- Updated Localization Kit for Language Translations
- Verified Compatible with Symantec AV Corporate Edition 10.2 and McAfee Enterprise 8.5.0i Anti Virus Software

TrueSite™ Workstation 2.01 Competitive Comparison

Feature	Simplex TSW	Notifier NCS	EST FireWorks	Siemens NCCXP
Multiple loops	Yes (7)	No	Yes (not a node)	No
Non-fire apps	Yes	No	Yes	No
Dual monitors	Yes	No	No	No
Dockable windows	Yes	No	No	No
DACR Application	Yes	No (UniNet only)	Yes	No
Integrated graphics	Yes	?	Yes	n/a
IP DACT support	Yes	Yes	Yes	n/a
Choice of DACRs	Yes (3)	Yes (4)	Yes (3)	n/a
Monitor				
LCD	Yes (17”, 19”)	Yes (19”)	Yes (18”)	Yes (19”)
Touch screen	Yes	No	Yes	Yes
Client Server				
Remote Clients	10 Clients 5 supervised 5 unsupervised	No	5	No

TrueSite™ Workstation Client / Server Product Overview

TSW's New Client/Server Architecture allows a TSW Server PC to Serve Multiple Remote Client PCs connected via Ethernet allowing Remote Operator Access to TSW's Operator Interface and Graphic Annunciation



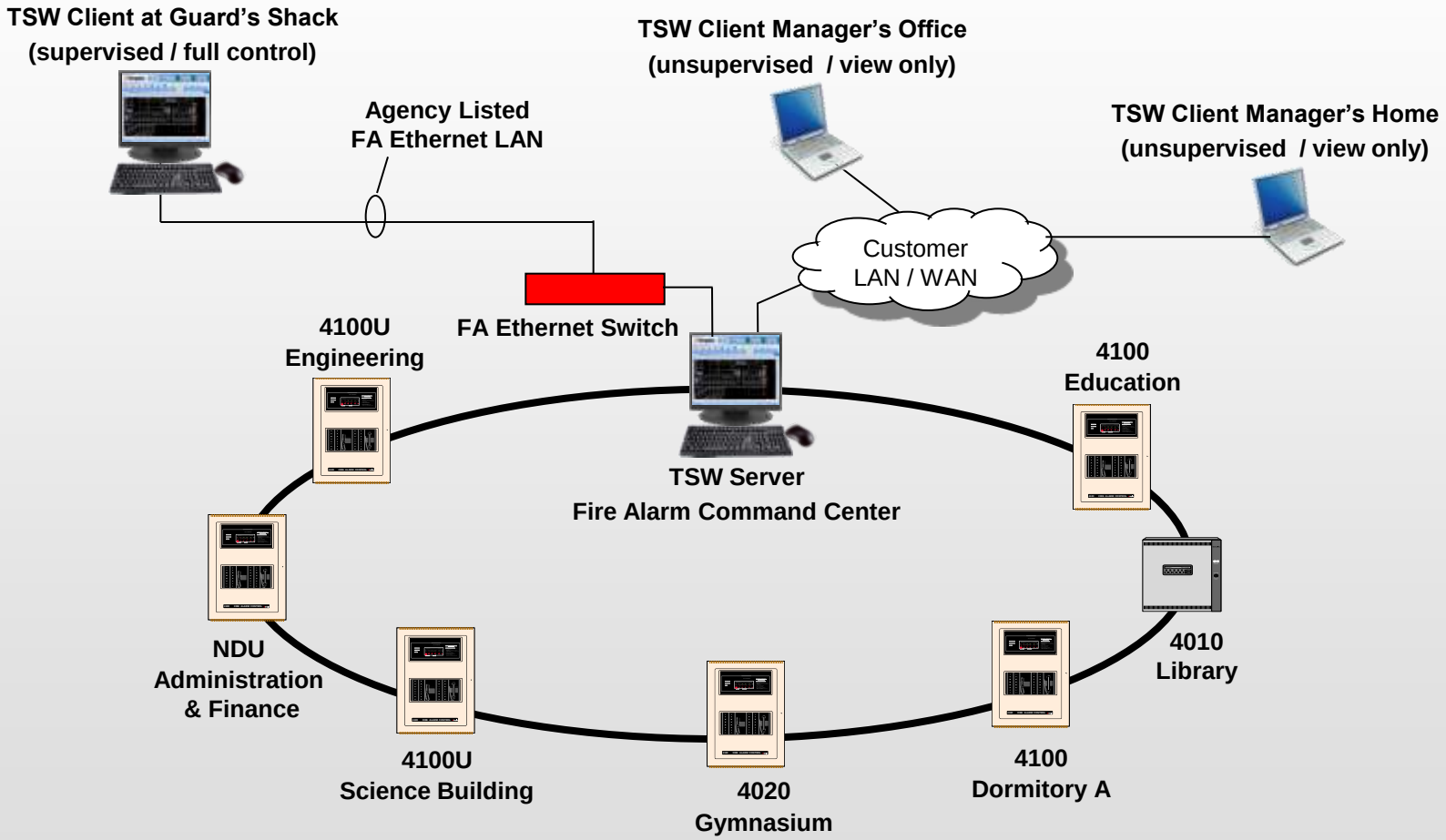
Scalable Customer Solutions

TrueSite™ Workstation Client / Server Product Overview

There are 3 TSW User Interface Types:

- **TSW Local Client User Interface**
  - The TSW Server PC always has a Local Client User Interface (same functionality as TSW Version 1 user interface with Version 2 enhanced features)
- **TSW Supervised Remote Client**
  - A Supervised Remote Client will Annunciate an Unexpected Termination of the Ethernet Connection at both the Server and the Remote Client; a Trouble is Reported on TSW, a Dialog and Sounder is Used at Client
  - Agency Listed Supervised Remote Clients on a Dedicated Fire Alarm Ethernet LAN Support Full Annunciation and Control Capability
- **TSW Non-Supervised Remote Client**
  - A Non-Supervised Remote Client never Annunciates Termination of the Ethernet Connection on the TSW Server's Local Client; However, a Dialog is Presented on the Remote Client (no audible)
  - Typically, the Non-Supervised Remote Client is for Supplemental (non-required) Use and Serves as an On-Demand Application where the Operator Connects to, and Disconnects from, the TSW Server based on Operator Interest and Need
  - Non-Supervised Remote Clients for Supplemental Use are Allowed to be Connected to an Agency Listed TSW Server via the Customer's Existing LAN/WAN with the Remote Client Application Running on Customer Supplied PCs for Annunciation / View Only Applications

TSW Client/Server
Multi-Building Campus Application

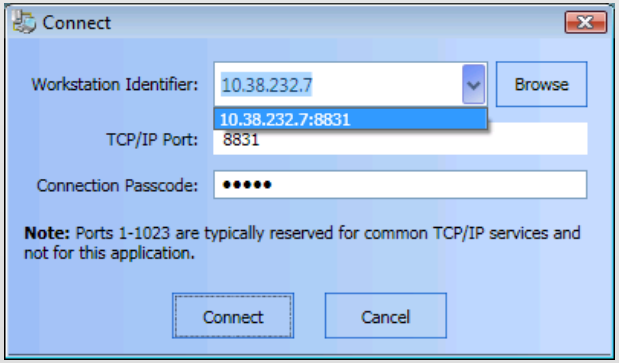


Agency Listed, Scalable Customer Solutions

TrueSite™ Workstation Client / Server Product Overview

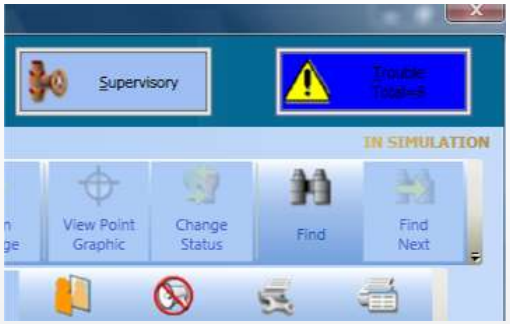
TSW Client / Server Connections

- A Maximum of 10 Remote Clients Total may be Connected to TSW a Server Simultaneously (5 supervised/5 unsupervised total combined)
  - A Maximum of 5 Supervised Remote Clients may be Connected to a TSW Server Simultaneously
  - A Maximum of 5 Unsupervised Remote Clients may be Connected to a TSW Server Simultaneously
  - The Quantity of Simultaneous Remote Clients Connections MUST be Purchased
    - 4190-5061 Restricted Feature (view only) Remote Clients (supervised or unsupervised)
    - 4190-5062 Protected Feature (control capable) Remote Clients (must be supervised for agency listing compliance)
- The Number of Unsupervised Remote Client Applications that can be Deployed is Virtually Unlimited
  - However, the Maximum Number of Remote Clients that can connect to the TSW Server at the “Same Time” are 5 Supervised and/or 5 Unsupervised (as noted above)
- Ethernet Drops
  - Up to 2 Ethernet Network Drops are Required at the TSW Server PC (e.g., Fire Alarm LAN and Customer LAN)
  - A Minimum of 1 Ethernet Network Drop is Required at each Remote Client PC
  - Ethernet Switches Require Additional Network Drops as determined by the Job Specific Installation Requirements
- Ethernet Connection Speed for Remote Clients
  - A Minimum 3 Mb/s Connection Speed is
  - Required for TSW Remote Clients



Scalable Customer Solutions

TrueSite™ Workstation Client / Server Product Overview



TSW Client Application

- Equal Priority Control Operation (includes workstation / local client)
  - All Clients have Equal Priority for Control Functions meaning Each Client will have Equal Control Capability at the Time an Operator Selects a Control Function (e.g., Alarm Acknowledgement, System Reset, Point Disable, etc.)
  - Note: In-Control Configuration Programming is planned for a Future Release
- Single-Client-at-a-Time Functions (includes workstation / local client)
  - Simulation and Network Operations (Download, Terminal, Host Diagnostics)
  - If a Network Operation is in Progress, Network Operations at the other Clients are Disabled
  - Client that enters Simulation is the only one that can exit it. All Clients can simulate point operations.
  - When in Simulation, new “IN SIMULATION” Indicator appears at all Clients
- Multiple Remote Clients can be Run at the Same Time on the Same PC
  - Can also run Remote Client along with Workstation
  - These Functionalities are Not UL-Listed
- Functionality *Not Available* at Remote Clients:
  - Runtime Configurator
  - Type In Feature Code Dialog (licensing-related operations occur only at Workstation)
  - Job Selection (file open)
  - USB Printer Setup
  - Phone Control (Master phone must be next to Server Workstation)
- Remote Client logging
  - Logins/Logouts at Remote Clients are logged in the Historical Log, specifying Supervised Client Name or whether Non-supervised Client

TrueSite™ Workstation Client / Server Product Overview

UL / ULC / CSFM / FM Agency Listed Remote Client Applications

- Protected Feature (control capable) Remote Clients MUST be on a Dedicated, Agency Listed, Fire Alarm Ethernet LAN with Agency Listed Ethernet Switch, PC, Monitor, and Software
- Restricted Feature (annunciation / view only) Remote Clients for Supplemental use are allowed to connect to the TSW Server via the Customer's Ethernet LAN/WAN with the Client Application running on Customer Supplied PCs
  - For Supplementary / Non-Required View Only Annunciation Applications only
  - Where Agency Listed Remote Clients are Required they MUST be on a Dedicated "Fire Alarm" Ethernet LAN with Agency Listed Ethernet Switch, PC, Monitor, and Software
- A 4190-6010 LAN Suppressor is Required at each Ethernet Connection on the Server PC
- TSW Server and Client Applications are allowed to run on PCs with other Software Applications
- ULC Note: ULC Listed as Supplementary Annunciator Only. Not Suitable for use as Primary Annunciator.

Listed and Approved with All Major Agencies

TrueSite™ Workstation Client / Server Product Overview

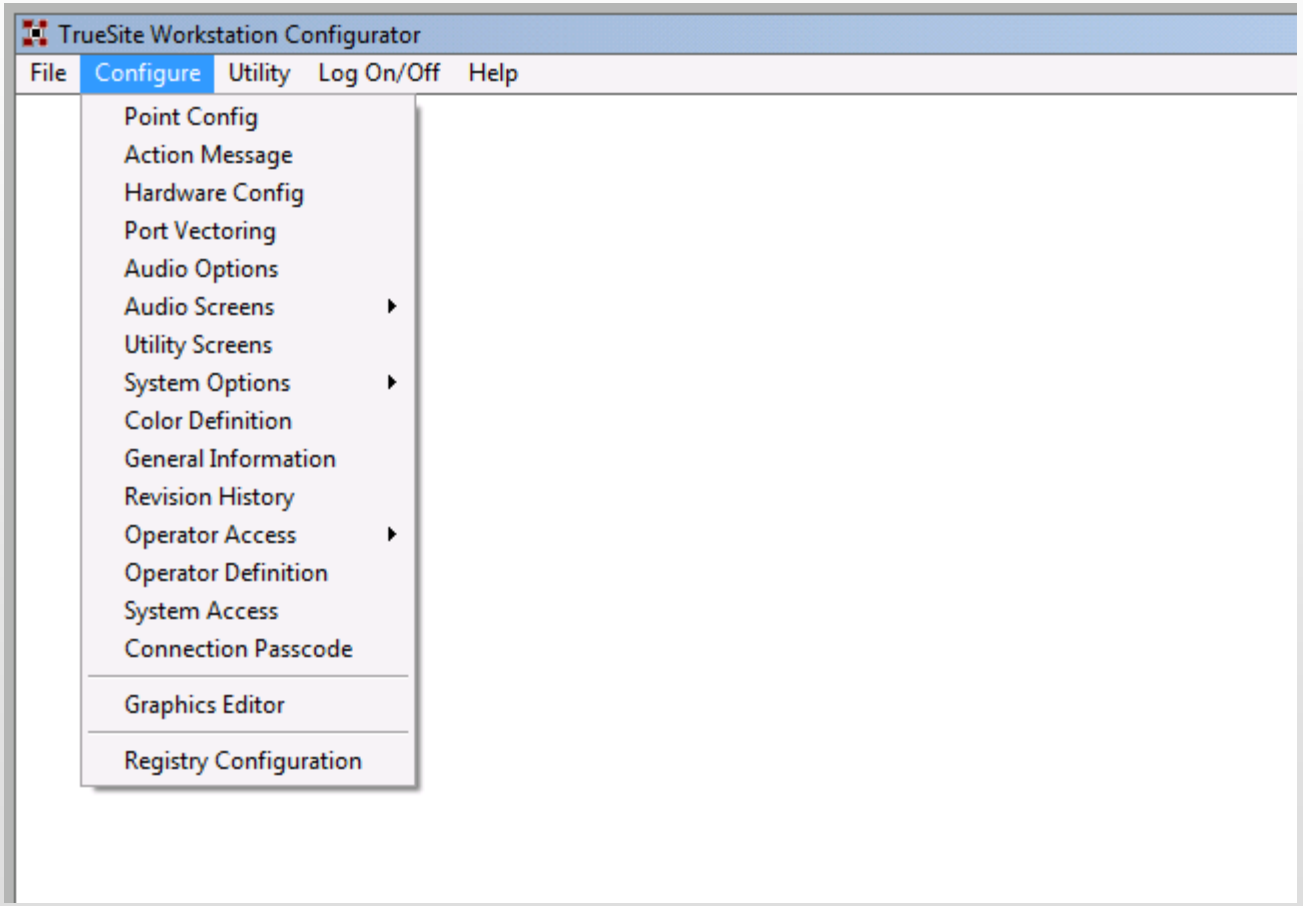
UL / ULC / CSFM / FM Agency Listed Applications

Application	Main PIDs	Software PIDs	Additional Requirements
Agency Listed Remote Annunciator: • Remote Annunciation Control Unit Accessory	4190-8401 or -8410 Control Unit Accessory / Annunciator	• 4190-5050 TSW or 4190-5053 TSW Client Software	Agency Listing Requirements: • Listed PCs, Monitor and Software • Ethernet Connectivity requires Dedicated Fire Alarm Ethernet LAN and LAN Suppressor at each Server PC Ethernet Connection Supplemental Uses Allowed (non-required equipment) • View Only Restricted Clients Allowed on Customer LAN/WAN requires LAN Suppressor on Server PC Ethernet Connection
Agency Listed Supervising Station Receiving Units (see ULC note)**:** • Proprietary Station Receiver • Central Station Receiver • Remote Station Receiver	4190-8403 Supervising Station Receiver	• 4190-5050 TSW Software	Agency Listing Requirements: • Same as Above *and* Server PC requires ULIO Card (included on 8403), and Agency Listed UPS Supplemental Uses Allowed (non-required equipment) • Same as Above
Non-Required Supplemental Use: • Non Required Equipment • Agency Listings **NOT** Applicable	4190-8603 Software Only (Not Agency Listed)	• 4190-5050 TSW or 4190-5053 TSW Client	• Ethernet Connectivity to Agency Listed TSW Server requires 4190-6010 LAN Suppressor at Server PC Ethernet Connection • Agency Listings Not Applicable for 4190-8603 Software Only Products (where required see applications above)

**ULC Note: ULC Listed as Supplementary Annunciator Only. Not Suitable for use as Primary Annunciator.*

Listed and Approved with All Major Agencies

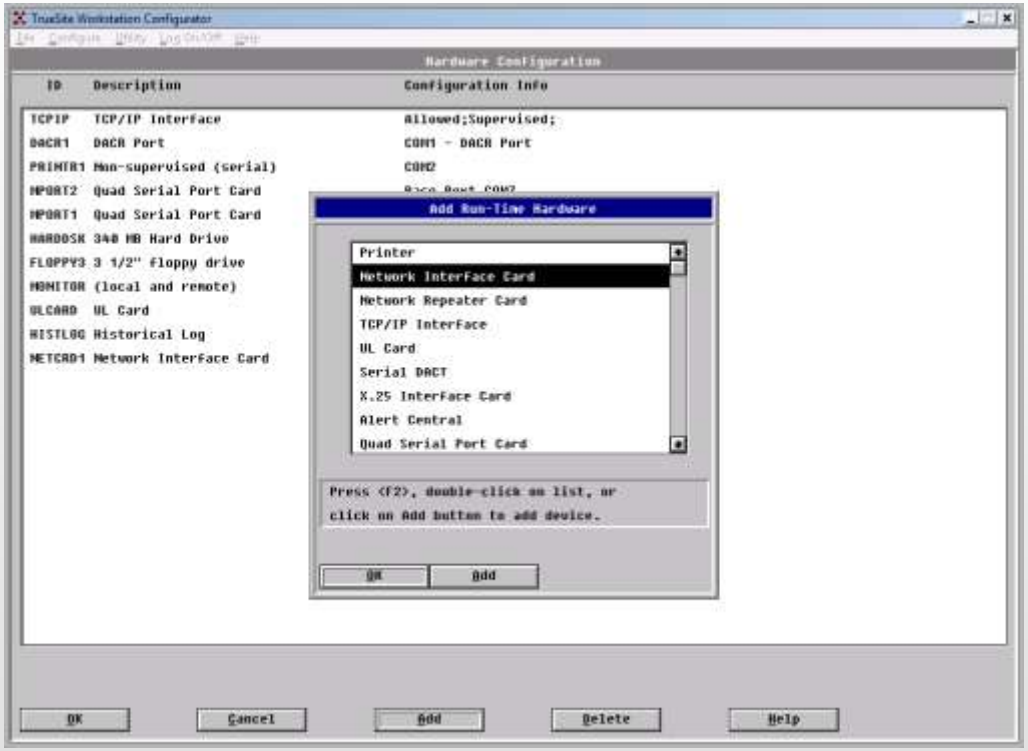
TrueSite™ Workstation 2.01 Configurator Changes and Additions

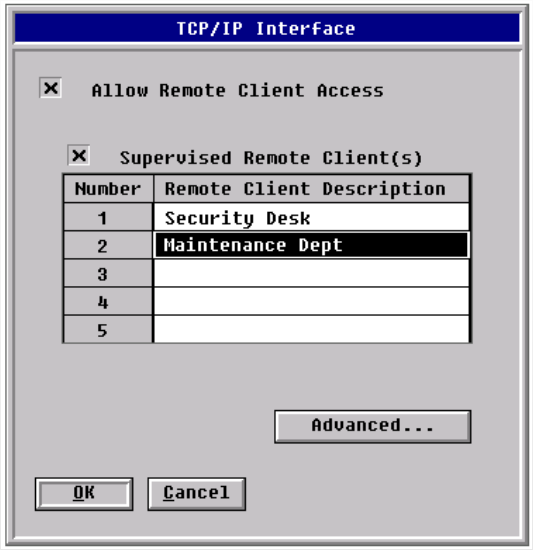


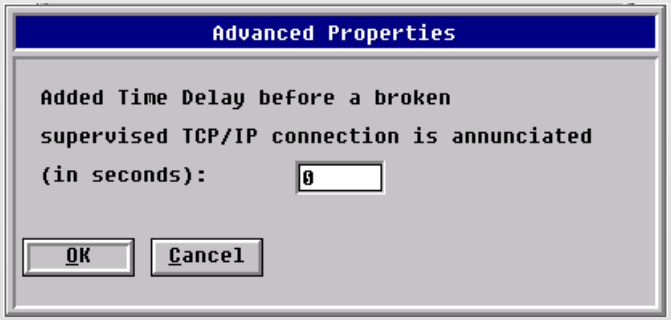
TrueSite™ Workstation 2.01 Configurator Changes and Additions

- **New TCP/IP Ethernet Interface Hardware:**
  - Required to Allow Remote Client Connection
  - Option to Support Supervised and Un-Supervised Remote Clients (up to 5 of each)
  - Supervised Remote Clients are Named
  - Option to add a Time Delay before a Broken Supervised Connection is Annunciated (up to 90 seconds).
  - Monitor (hardware and port) shows “Local and Remote” if TCP/IP is Configured

TrueSite™ Workstation 2.01 Configurator Changes and Additions







Appendix G of Configurator Manual (579-844) has step-by-step instructions for setting up a Remote Client

TrueSite™ Workstation 2.01 Configurator Changes and Additions

- **System Preference:** Set Time/Date also updates Supervised Remote Clients. If Selected, Time/Date at Server and Supervised Remote Clients will be in Sync (updated upon connection, upon change, and at noon & midnight)
- **Connection Passcode:**
  - 1 Passcode for All Clients
  - Default 12345
  - Can change (three to ten digits)
  - Can restore to default, only if logged in as the Simplex (level 7) user
- **Job Build:** An Extra Step is Performed to Build Job Data for the Client to Support Client/Server (progress shown for “Building Support Files for the Runtime User Interface”)

TrueSite™ Workstation 2.01 Configurator Changes and Additions

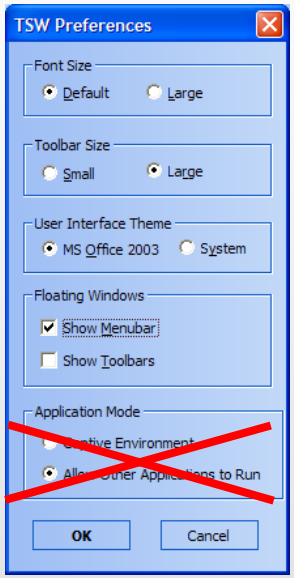
- **System Access**
  - Governs what Functionality is Available Depending on the Type of TSW Application Running:
    - Workstation/Server
    - Non-supervised Remote Client
    - Supervised Remote Client
  - All Items Identical to those in Operator Access
  - By default, Supervised Remote Client has more items enabled than Non-supervised Remote Client
- **Network Card:** Manual Configuration of Base Address and IRQ are No Longer Required, Now Configured Automatically by Plug-and-Play Driver
- **Operator Access**
  - New items: Type In Feature Code (defaults to level 5)
  - Printer Setup (defaults to level 6)
  - Exit is now Exit/Disconnect. In a Remote Client, user can exit or disconnect based on this access level. Exiting also causes a disconnection.
  - Change Application Mode is now Application Setup, which includes not only Captive Mode but also connection-related settings and printing preferences.

TrueSite™ Workstation 2.01 Configurator Changes and Additions

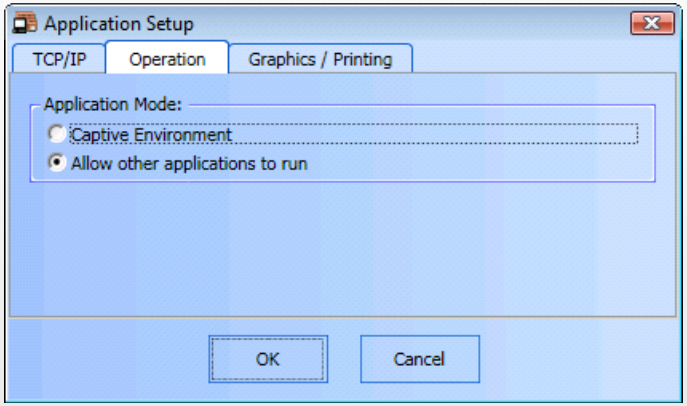
Captive and Non Captive Mode Operation

- In Version 1 TSW Systems Captive Mode was set as a User Preference
- In Version 2 TSW Systems Captive Mode is an Application Setting for the PC running the Application
  - PC-Wide Setting since Multiple Instances can be Run (no longer operator-specific)
  - Default Changed to Non-Captive
- If More than 1 Client Running, will be Forced to Non-Captive
- If Change is Desired, Feature Changes are Accessible via Proper Access Level

TSW Version 1



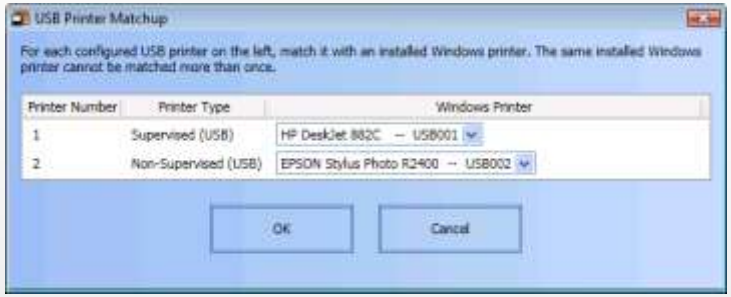
TSW Version 2

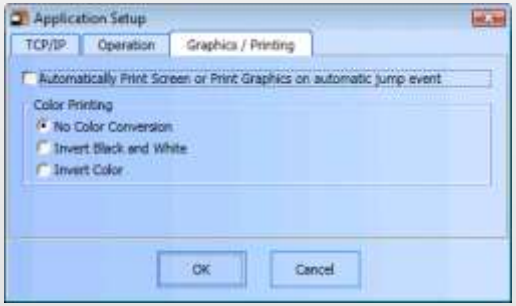


Revised for Client / Server Operation

TrueSite™ Workstation 2.01 Configurator Changes and Additions

USB Event Printer and Network Graphics/Report/Screen Printing





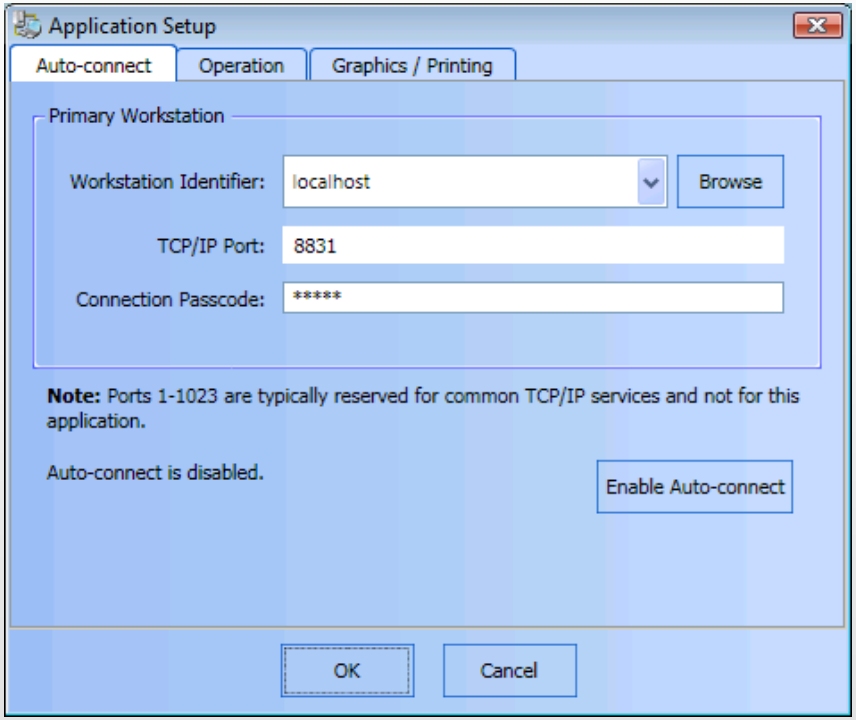
- Event Printer (supervised or unsupervised)
  - Simplex Agency Listed Model 4190-9013 Dot Matrix
  - Server PC Connection: Serial, Parallel, or USB Port
  - * Note: Event Printer Must be Dedicated, Supervised, & Connected to PC Server for Agency Listing
- Graphics, Reports, and/or Screen Printer
  - Any Windows Compatible Printer
  - Uses standard Windows Select Printer dialog
  - No need to add to Job Configuration, unless Supervision required (Supervision possible with Serial, Parallel, USB Connection only)
  - Network Connection: Customer LAN/WAN
- Application Notes
  - Event Printer Must be Dedicated for Agency Listing
  - No Event Printing Allowed on Network Printers
  - Color Settings for Graphics Prints now through Application Setup in Runtime rather than Graphics Editor
  - Auto-Print Prints to the Default Windows Printer
  - Setting for Auto-Print now available through Runtime rather than in the INI File

Expanded Options and Information Access

TrueSite™ Workstation 2.01 Configurator Changes and Additions

TSW Client / Server Application Setup

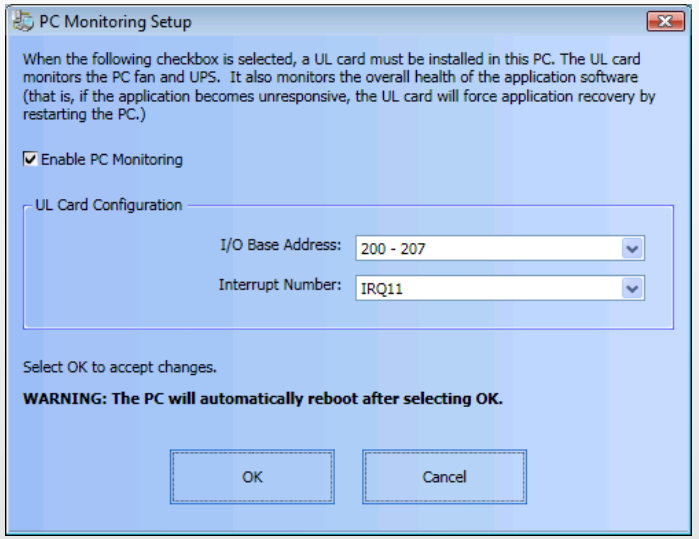
- Must Provide Workstation PC Name or IP Address (can browse network), Port, and Connection Passcode
  - Default Port is 8831, modifiable at Server Application Setup
- Can set up for Auto-Connect (automatically connects upon startup and upon loss of connection)
  - Enabling Auto-Connect Automatically Tests the Connection to the Server
- Drop Down List of Connections Preserved at the Client



TrueSite™ Workstation 2.01 Configurator Changes and Additions

UL/IO Card Setup: Monitors CPU (w/watchdog timer), PC Fan and UPS

- At Server PC: Through Configurator, as in Version 1
- At Client PC: Through Application Setup
  - Can be Enabled if UL/IO Card is Installed
    - Must choose to install PC Monitoring upon client-only installation
  - Instead of Troubles, Dialogs are shown (with Sounder)
  - Independent of Monitoring at Server PC
  - No need to add UL/IO Card to Job if used solely at Remote Client
  - Not yet required; will be part of a future TSW rev for full ULC-S257 listing



TrueSite™ Workstation 2.01 Enhancements

TSW OPERATING SYSTEM and PC REQUIREMENTS

TSW Workstation Server PC

- For Windows Vista, 32bits, Business Edition
  - Minimum Hardware: Pentium 4, 2.8GHz processor, with 2GB RAM, and 40GB available hard disk space, 1 Parallel Ports, 2 Serial Ports w/16550 UART, 2 USB Ports, 2 Ethernet Ports 10/100 Mbs, CD/RW, 16MB Video RAM, Video Resolution 1024 x 768, 16 Bit Color Depth, PCI and ISA Slots as Required and TSW Style Dongle to Support TSW Features
- For Windows XP Pro, SP2 or higher service pack
  - Minimum Hardware: Same as for Vista above except with 1GB RAM
- Recommended Screen Resolution 1280x1024 (minimum screen resolution 1024x768)
- Server PC also Requires Simplex Security Software Version 1.02.02

TSW Remote Client

- Windows Vista, 32bits, Home Premium Edition, Business Edition, or higher
  - Minimum Hardware: Pentium 4 (any speed), with 1GB of RAM, 20GB available hard disk space, 1 Serial Port w/16550 UART, 1 Ethernet Port 10/100 Mbs, CD, 4MB Video RAM
- Windows XP Pro, SP2 or higher service pack
  - Minimum Hardware: Same as for Vista above except with 512MB RAM
- Recommended Screen Resolution 1280x1024 (minimum screen resolution 1024x768)
- Remote Clients DO NOT Require TSW Dongle nor Simplex Security Software

TrueSite™ Workstation 2.01 Enhancements

Compatible with Symantec AV Corporate Edition 10.2 and McAfee Enterprise 8.5.0i Anti-Virus Software

- Anti-Virus Software is Strongly Recommended for Server and Client PCs Connected to a Non-Dedicated LAN
- Use for Regular Scans and Updates
- When in Captive Mode, Anti-Virus Dialogs will only be seen once TSW is Exited (default operation is non-captive mode)

Verified with Common Industry Anti-Virus Platforms

TrueSite™ Workstation 2.01 Enhancements

Ethernet Switches

TrueSite™ Workstation 2.01 Enhancements

Ethernet Switches

- Provides a Dedicated Network for Connection of a TrueSite Workstation Server to its Clients
- To be used when More than 2 Ethernet Connections are needed or when the Ethernet Distance required is Greater than 328FT (100M)
- Multiple Ethernet Switches can be Inter-connected to Increase the Number of TSW Clients or the Ethernet Circuit Distance
- Listed (Fire Alarm Ethernet Switch) and Non-Listed (Ethernet Switch) Models are Available
- Three Network Connection Options (model dependant)
  - 8 Wired Ports
  - 4 Wired and 2 Multimode Fiber Optic Ports
  - 4 Wired and 2 Single Mode Fiber Optic Ports
- All Ethernet Switch Models are Un-Managed Switches therefore No Software Configuration is Necessary

TrueSite™ Workstation 2.01 Enhancements

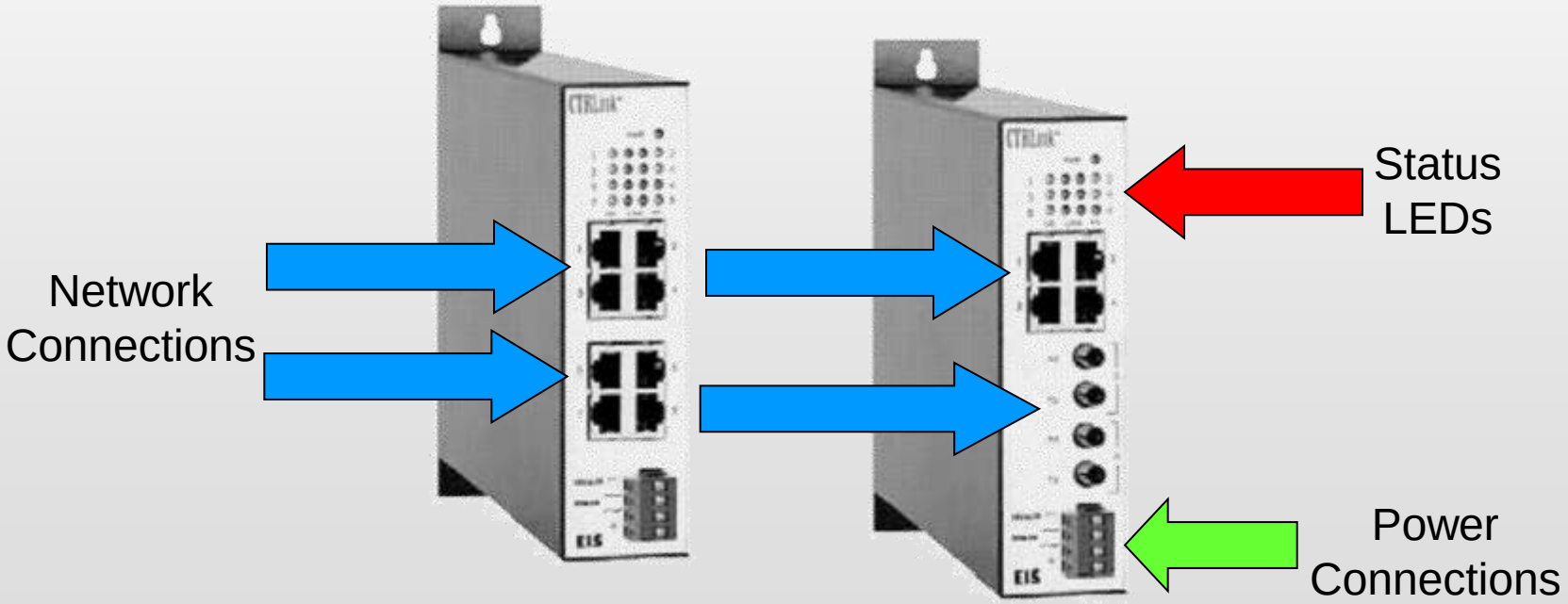
Ethernet Switches (Non Listed)

- UL 864 Recognized (not listed) Component without Earth Supervision
- Can be used with TSW Restricted Feature Clients (annunciation/view only)
- TSW Protected Feature Clients (control capable) MUST use Fire Alarm Agency Listed Ethernet Switches
- Three Models with Different Connection Options are Available:
  - 8 Wired Ports (4190-6051)
  - 4 Wired/2 Multimode Fiber Ports (4190-6057)
  - 4 Wired/2 Single-Mode Fiber Ports (4190-6056)
- Ethernet Switch Power Adapters are Required to Power Non Listed Ethernet Switches
  - Ethernet Switch 120VAC Adapter (4190-6052)
  - Ethernet Switch 240VAC Adapter (4190-6053)

TrueSite™ Workstation 2.01 Enhancements

Ethernet Switches (Non Listed)

- Network and Power Connections are all at the Front of the Unit
- LEDs are Provided to Indicate the Status of the Network Connections



TrueSite™ Workstation 2.01 Enhancements

Fire Alarm Ethernet Switches (Agency Listed)

- Agency Listings
  - UL listed to Standard 864
  - ULC listed to Standard S527
  - FM Approved
  - CSFM
- Listed for Use with TSW Protected Feature Clients Performing Fire Alarm System Annunciation and Control Functions
- Must be Monitored by the Fire Alarm Control Unit and Powered by the FACU Power Supply or other UL1481 Regulated, Power-Limited Power Supply.
  - NOT powered with Ethernet Switch Power Adapter (4190-6052 and 4190-6053).
- Three models with different connection options are available:
  - 8 Wired Ports (4190-6050)
  - 4 Wired/2 Multi-Mode Fiber Ports (4190-6055)
  - 4 Wired/2 Single-Mode Fiber Ports (4190-6054)

TrueSite™ Workstation 2.01 Enhancements

Fire Alarm Ethernet Switches (Agency Listed)

- An On-Board IDNet™ Supervised IAM is available for Connection to a Compatible Simplex® Fire Alarm Control Unit
- An On-Board Trouble Relay (normally open and normally closed) provides Contact Transfer to the IAM
- On-Board LEDs provide Fault Identification per Port

TrueSite™ Workstation 2.01 Enhancements

Fire Alarm Ethernet Switch Connections

- All Wired Connections made directly to the Earth Fault Detection Board through RJ45 Jacks
- All Fiber Connections made directly to the Ethernet Switch through SC Connectors
- Power, IDNet™ and Trouble Relay Contact Transfer Connections are done through Tri-Barrier Terminal Blocks
- All Cables Exit the Unit through the 2 Knock-outs at the Bottom of the Enclosure

TrueSite™ Workstation 2.01 Enhancements

Fire Alarm Ethernet Switch LEDs

- One Power (green), one IDNet™ (red) and one Earth Fault (yellow) located on the Earth Fault Detection Board
- One LED per Port indicates Earth Monitoring Disable/Earth Fault (yellow)
  - Steady-On indicates Earth Monitoring Disabled
  - Blinking indicates Earth Fault Detected
- LEDs Located on the Ethernet Switch provide Status of Ethernet Network Connections

Fire Alarm Ethernet Switch Configuration

- IDNet™: 8 Position Dip Switch is used to Assign an IDNet Address to the Supervised IAM Circuit
- Earth Monitoring Disable:
  - 8 Position Dip Switch is used to Deactivate Earth Monitoring on a per Port Basis
  - Monitoring should be Deactivated on Unused Wired Ports or on Wired Ports Inter-connecting 2 Fire Alarm Ethernet Switches (needs to be enabled on only 1 Fire Alarm Ethernet Switch when multiple are connected in series)

TrueSite™ Workstation 2.01 Enhancements

Connection Options - 8 Wired Ports

- Available with (4190-6050) or without (4190-6051) Earth Fault Supervision
  - Earth Supervision is provided on All Wired Ports on the Fire Alarm Ethernet Switch Model
- Supports 10Base-T (10Mbs) and 100Base-TX (100Mbs)
- Distance of up to 328FT (100M) at 100Mbs with Standard Cat-5 or Cat-5e, Unshielded, Twisted Pair Cable

TrueSite™ Workstation 2.01 Enhancements

Connection Options - 4 Wired / 2 Multi-Mode Fiber Ports

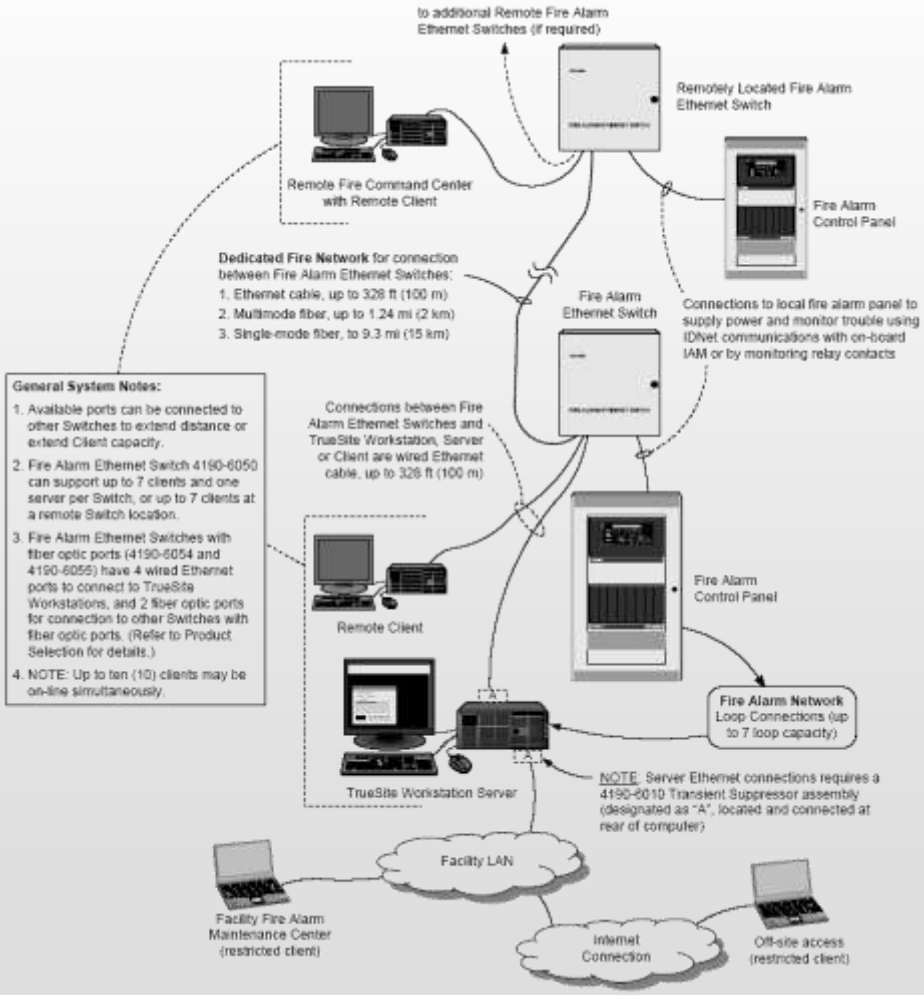
- Available with (4190-6055) or without (4190-6057) Earth Fault Supervision
  - Earth Supervision is provided on All 4 Wired Ports on the Fire Alarm Ethernet Switch Model
- Wired Connections
  - Supports 10Base-T (10Mb/s) and 100Base-TX (100Mb/s)
  - Distance of up to 328FT (100M) at 100Mbs with Standard Cat-5 or Cat-5e, Unshielded, Twisted Pair Cable
- Fiber Connections
  - Supports 100Base-FX (100Mb/s)
  - Distance of up to 1.24 Miles (2KM)
  - Uses SC Type Connectors
- Multi-Mode Fiber provides Longer Distances than Wired Ethernet BUT Shorter Distances than Single-Mode Fiber

TrueSite™ Workstation 2.01 Enhancements

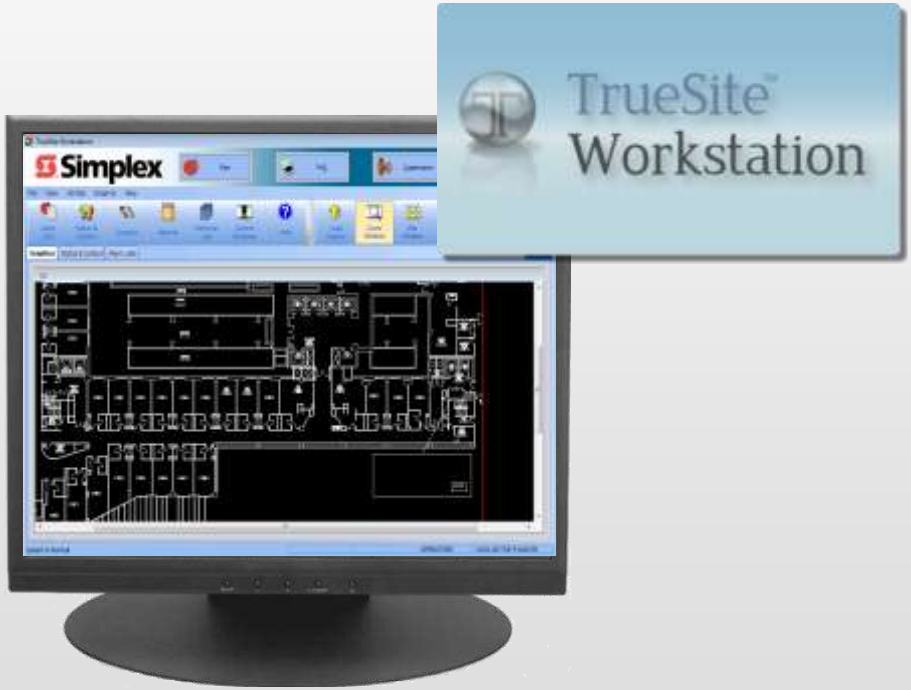
Connection Options - 4 Wired / 2 Single-Mode Fiber Ports

- Available with (4190-6054) or without (4190-6056) Earth Fault Supervision
  - Earth Supervision provided on All 4 Wired Ports on the Fire Alarm Ethernet Switch Model
- Wired Connections
  - Supports 10Base-T (10Mb/s) and 100Base-TX (100Mb/s)
  - Distance of up to 328FT (100M) at 100Mbs with Standard Cat-5 or Cat-5e, Unshielded, Twisted Pair Cable
- Fiber Connections
  - Supports 100Base-FX (100Mb/s)
  - Distance of up to 9.3 Miles (15KM)
  - Uses SC Type Connectors
- Single-Mode Fiber provides Longer Distances than Wired Ethernet And Longer Distances than Multi-Mode Fiber

Ethernet Switches – Typical Connections



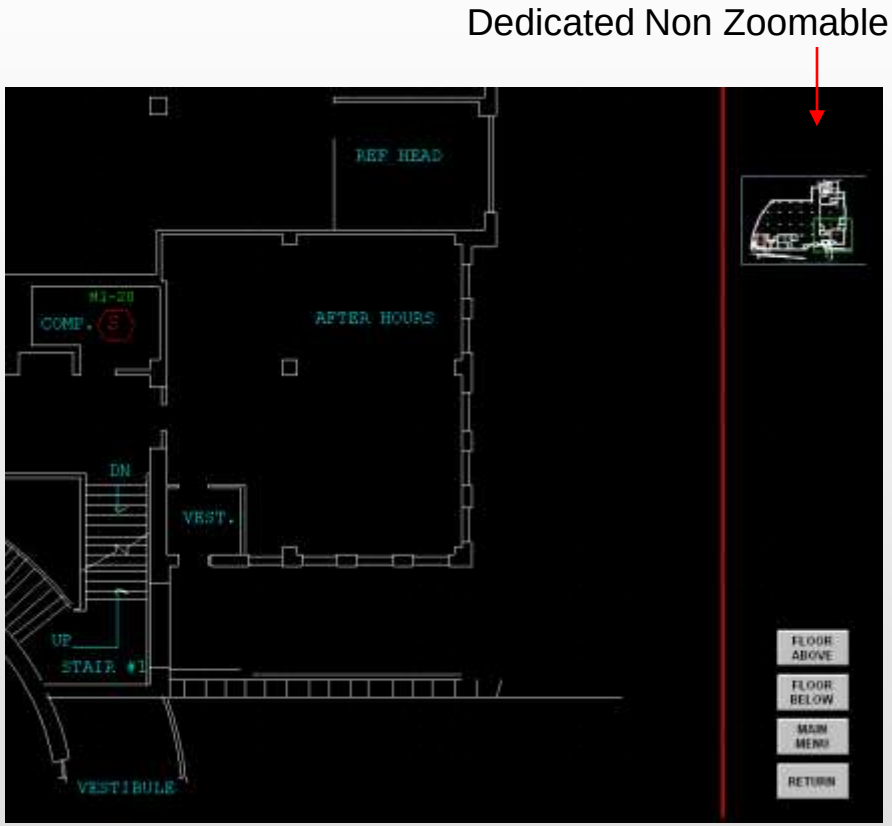
TSW Version 2.01 Graphics Enhancements…



Version 2.01 Graphics Enhancements

Dedicated Non-Zoomable Screen Area (configurable)

- A Configurable Dedicated Screen Area in which Objects are Always Visible Regardless of Pan and Zoom Operations
- Separated from Non-Dedicated Area by Red Line
- Intended for Non-Zoomable Buttons and Key Plan
- Dedicated Area may be Divided Vertically (left or right) or Horizontally (top or bottom)
- Objects in Dedicated Area are Not Exported

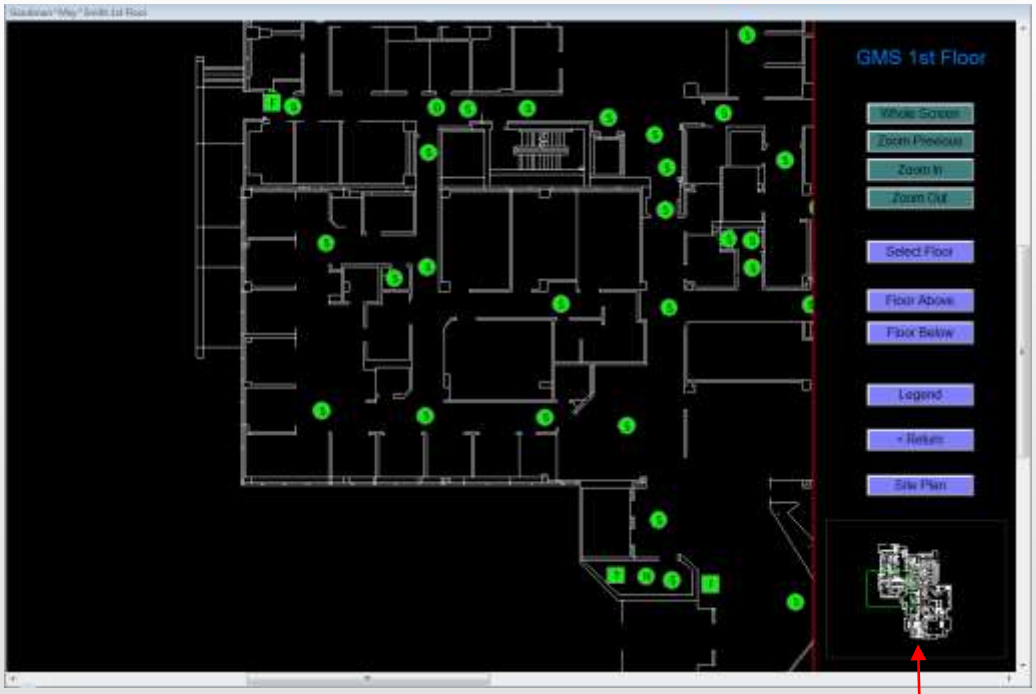


Enhanced Operator Information and Intuitiveness

Version 2.01 Graphics Enhancements

Graphics Key Plan

- A Key Plan is a Small Scale Full Screen Bitmap Automatically Generated by the Editor
- The Key Plan Bitmap is Placed in a Dedicated Non-Zoomable Screen Area so that it is Visible All the Time Regardless of Pan and Zoom Operation
- A GREEN Hollow Rectangle will be Drawn on Top of the Key Plan to Indicate the Current Screen View Location
- Color/Shape/Command Links are Not Shown in Key Plan



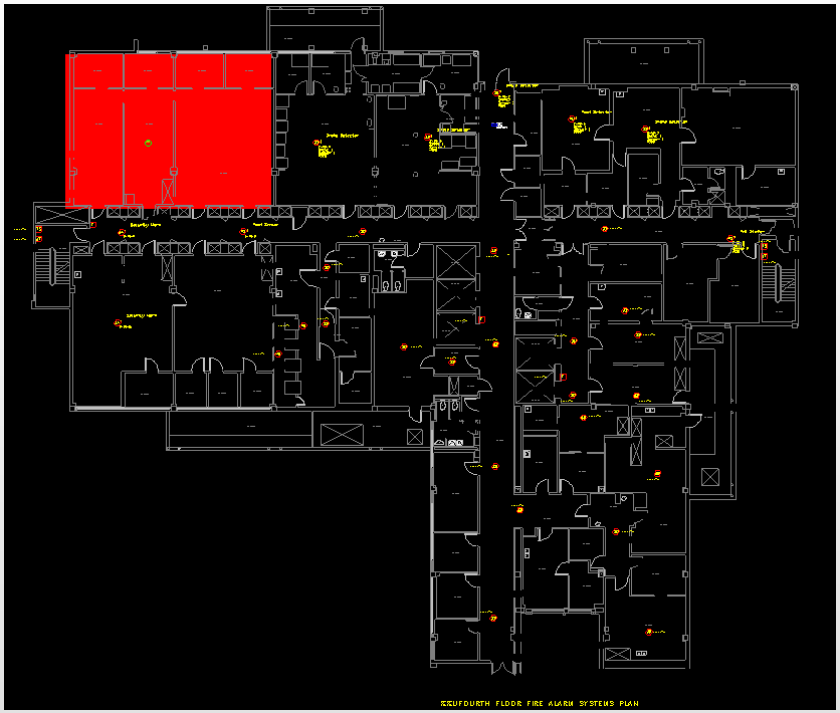
Graphics Key Plan

Enhanced Operator Information and Intuitiveness

Version 2.01 Graphics Enhancements

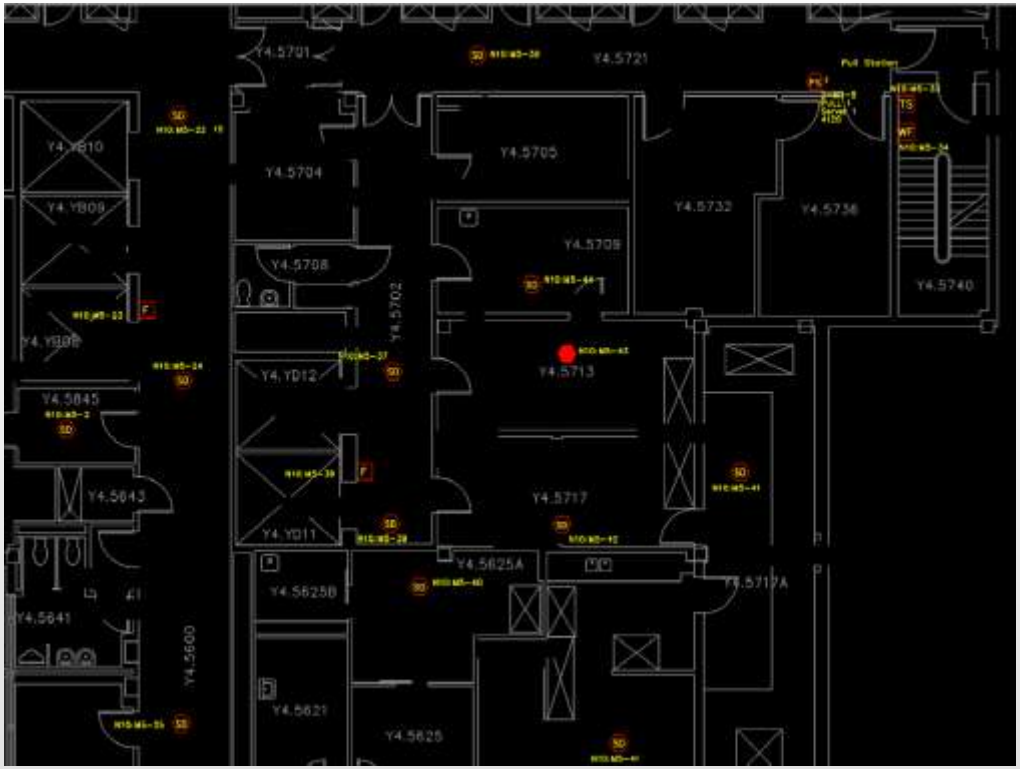
Enhanced Coverage Zone Operation

- Coverage Zones can be Any Closed Shape; i.e., Rectangle, Rounded Rectangle, Ellipse, Closed Polyline and Bezier (Version 1 only supports rectangle)
- An Active Condition of a Device within a Coverage Zone will cause the Entire Coverage Zone Area to Flash the Assigned Change State Color
- With TSW Version 2:
  - The Color Fill will be Transparent to the Drawing (Version 1 systems flashed solid covering the drawing area)
  - Coverage Zones are Clickable even when No Points Inside are Active (as long as the points are currently hidden) Clicking On the Coverage Zone will Zoom to Center of Coverage Zone



Enhanced Operator Information and Intuitiveness

Auto-Jump to Graphics



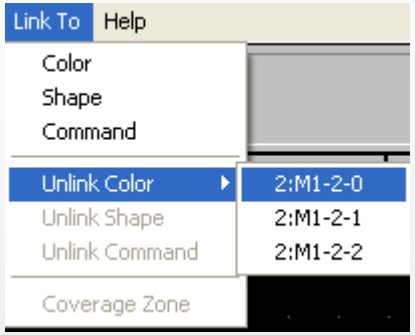
- Auto-Jump Operation Automatically Jumps to a Pre-Configured Pan-and-Zoom Level for Each Activated Device
- Centers the Device into the Graphics Portion of the Screen
- *On TSW Version 2 Systems*, if the Device is at the Edge or Corner of the Screen, Instead of Centering on the Device, the Window will be Filled with the Screen Starting from that Edge or Corner
- If No Graphics Screen is Configured when Auto-Jump Occurs, the Application will Jump to the Active List that the New Event Belongs to

Enhanced Operator Information and Intuitiveness

Version 2.01 Graphics Enhancements

Multi-Point Linking to a Single Icon

- Allows 1 Icon to Represent Multiple Points or All the States of Combination Points; e.g., smoke/heat/CO/trouble
- (vs 1 icon per point in version 1 systems)
- Each Point Linked to an Icon can be Linked to its own Color or Shape Link (shape links are not recommended for multiple points)
- Upon a Change of State, the Icon will Flash the Color of the Most Recent, Highest Priority Condition. Clicking the Icon will Present a List of All Unacked Highest Priority Conditions Associated with the Icon
- Once All Conditions are Acknowledged the Icon will be in the Color of the Most Recent Highest Priority Condition until Cleared, Clicking on the Icon will Present a List of All Acked Highest Priority Conditions followed by Normal Points
- In a Normal Condition, Clicking on the Icon will Present a List of All Points Associated with the Icon
- Selecting a Point in the List will Show the Point Status and Control Dialog for the Point



Enhanced Performance and Editing Capability

Version 2.01 Graphics Enhancements

Point States

- If Point's Primary State is Normal, Text Macros $A, $V, $VU will show NORMAL (to minimize network traffic)

Icon Pasting Zoom Level Setting per Graphic Screen

- Allows Objects to be Pasted from other Screens Always at a Consistent Specified Zoom Level (eliminates need to continually resize pasted objects)
- Icon Pasting Zoom Level is assigned per Graphics Screen

Drawing Extents

- New Drawing Extents (added to accommodate larger monitors and to allow for more detail):
  - 1600 x 1200
  - 1680 x 1050
  - 1920 x 1200
- Note: Drawing Extents for New Screens Default to Current Screen Resolution

AutoCAD Import Progress Bar

- Importing AutoCAD Drawings Now Displays the Current Task and its Percent Completion Progress

Enhanced Performance and Editing Capability

Version 2.01 Graphics Enhancements

GIF and JPG File Import

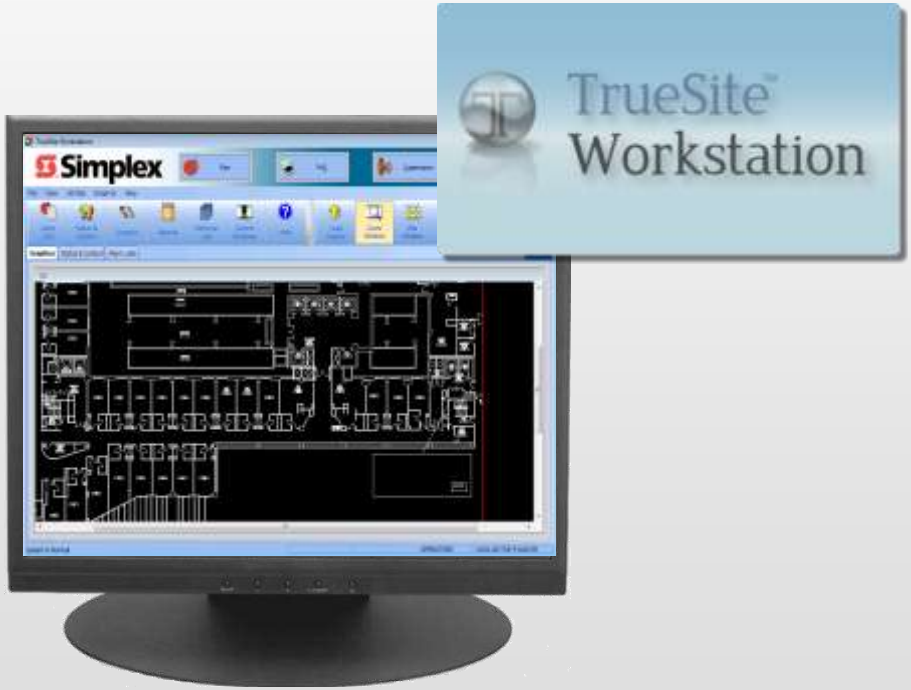
- Allows support for a Broader Range of Images (previously only supported bitmap)
- Also Supports Animated GIF Files

Enhanced Import Option for DXF/DWG CAD Line Types

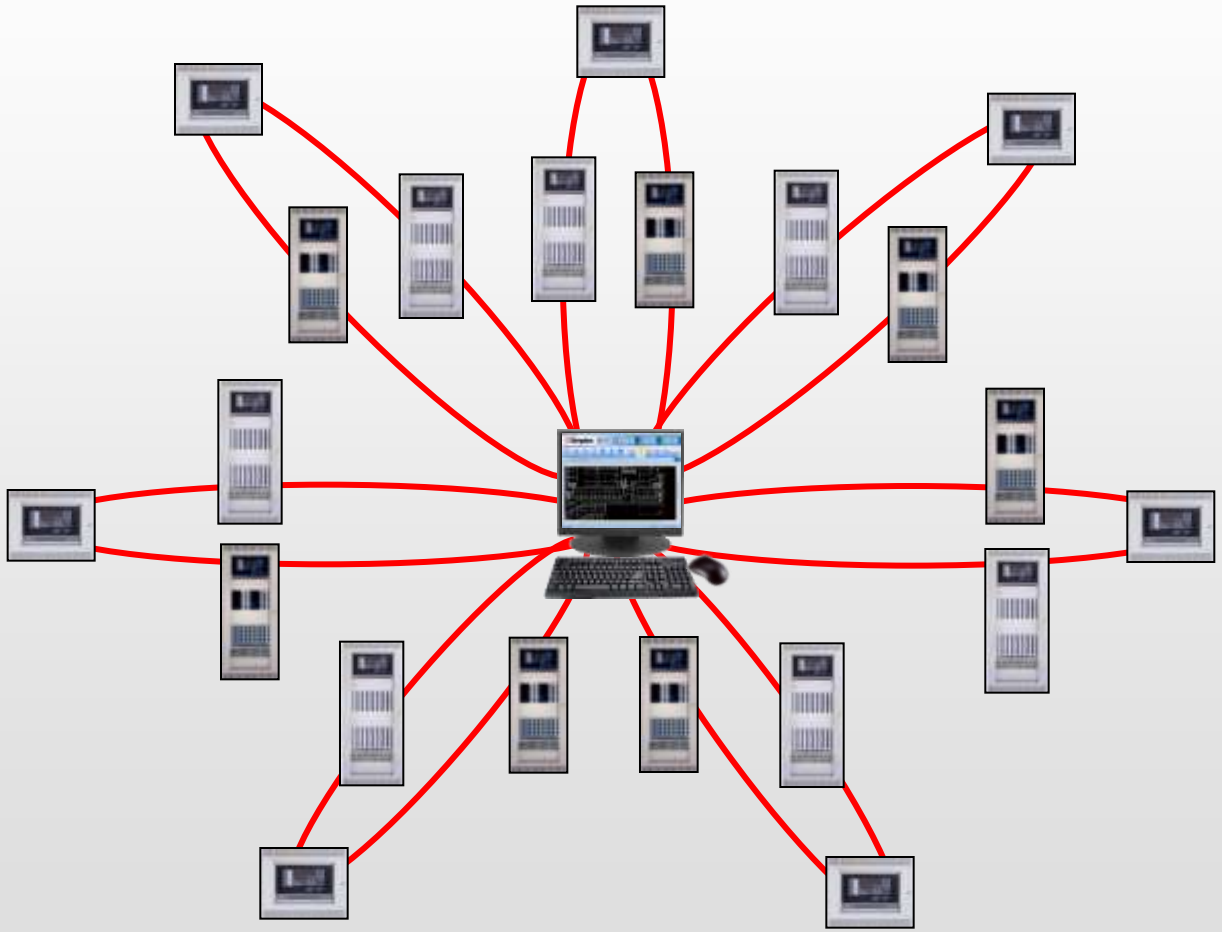
- DXF/DWG CAD Line Types can be Imported as Solid Edge (editable) or as Partially Supported Shape (non-editable)
- Previously would Import only as Solid Edge
- Allows Drawing to Look More Like Original

Enhanced Editing Capability

Other TSW Version 2.01 Enhancements…

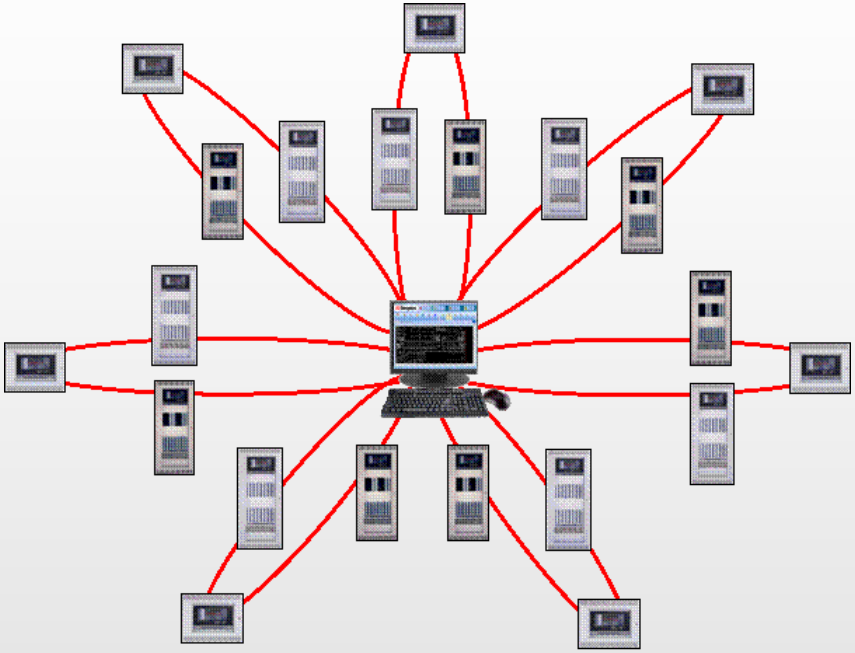


Supports Up to 7 Network Loops



Scalable Customer Solutions

Supports Up to 7 Network Loops



Application Notes: PCI slots are also used by optional Quad Serial Cards (max 2) and optional Video Card. Simplex PCs have 7 PCI slots, so depending on the application, enough slots may not be available.

New Core 2 Duo PCs now come with 1 SVGA and 1 DVI Video Output Standard for Dual Monitor Support (optional video card is no longer required).

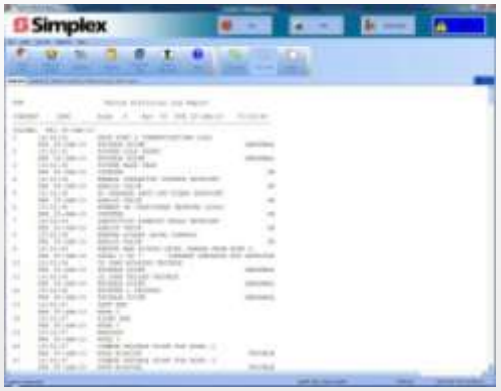
Network Capacity:

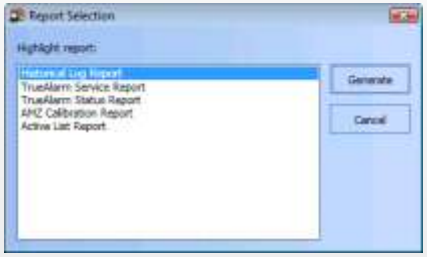
- Up to 99 Nodes per Simplex Fire Network Loop
- Up to 686 Nodes per TSW
- TSW Point Capacity Remains 50,000 Points Maximum

Other Version 2.01 Enhancements

Reports

- Instructional Text Given when Window is Opened
- Generating a Report Immediately Displays It
- Options to Save or Print the Generated Report
  - Now similar to standard Windows File/Save and File/Print functionality
  - Save as ASCII Text File to any Drive Location
  - Print to any Installed Windows Printer





Other Version 2.01 Enhancements

Historical Log

- Historical Log Must be Manually Refreshed

Printer Control

TSW Print Jobs

- Phase 1 / IMS Reports window functionality (terminate report, flush buffer)

Windows Printer Control

- Can choose any Windows printer and cancel documents in its queue

Point Status & Control Dialog

- Status and Control tabs now combined

Other Version 2.01 Enhancements

Enhanced Dongle Security Checking

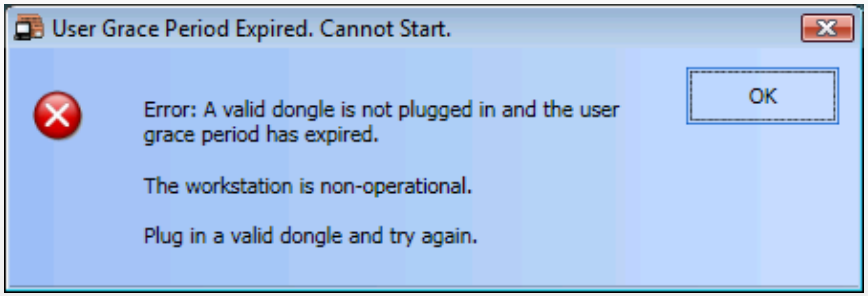
- GCC/IMS Dongles are No Longer Supported by Version 2 or later TSWs
  - 4190-8605 with 4190-5054 TSW Phase 1 to Phase 2 Upgrade Dongle Exchange is Available through Applications Engineering
- A 16 Character Feature Code Linked to the TSW Dongle Serial Number will be Generated in Manufacturing to Enable Purchased Features; i.e.,
  - 0 to 10 Remote Clients (Max 5 Supervised and Max 5 Unsupervised)
  - DACR
- Dialogs are Presented for Status Changes, Reminders, and Warnings
  - Dialogs Always Appear on Top and Must be Dismissed/Acknowledged by User
  - Historical Log Entries: i.e., No Dongle; Invalid Dongle; TR Dongle; Dongle / Feature Code Mismatch; Dongle State Change; Auto-Shutdown; Feature Code Change; Feature Code Not Aligned with Configuration; User/Maintenance Grace Period Countdown Reminders

Enhanced Security also Facilitates Quick Enabling and Verification of Optional Features on Customer Site

Other Version 2.01 Enhancements

Enhanced Dongle Security Checking

- If No Dongle is Recognized the TSW will Start as a Bare-Bones Non-Functional Application but with the Ability to Enter a Feature Code (valid dongle is required to proceed further)
- Dongle status changes are detected – reported within 5 minutes
- Previously, could launch TSW or IMS with dongle, then remove dongle without consequence
- Configurator also goes through this periodic detection

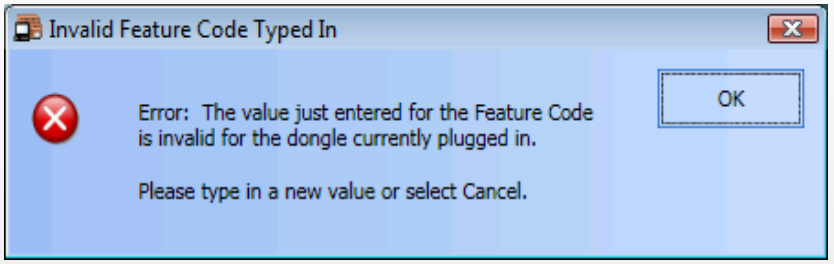


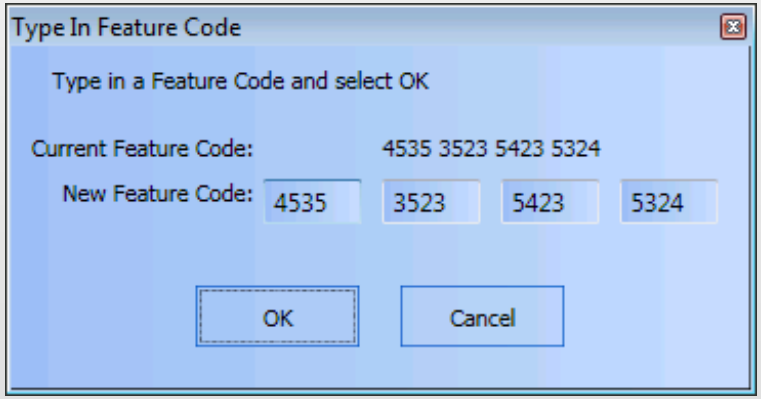
Enhanced Security also Facilitates Quick Enabling and Verification of Optional Features on Customer Site

Other Version 2.01 Enhancements

Enhanced Dongle Security Checking

- To Enable Purchased TSW Software Features the Feature Code Must be Entered using the TSW Runtime User Interface
- Type In Feature Code Dialog
  - Allows Feature Code Entry and Clearing (restart required after change)
  - Accessible through Help Menu



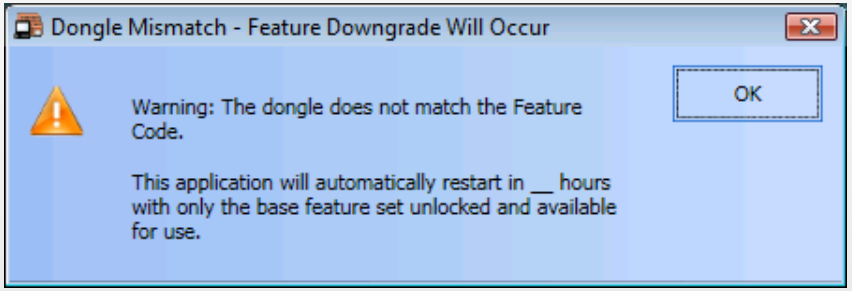


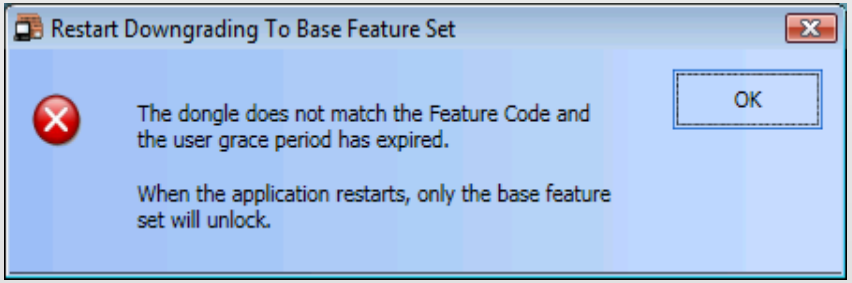
Enhanced Security also Facilitates Quick Enabling and Verification of Optional Features on Customer Site

Other Version 2.01 Enhancements

Enhanced Dongle Security Checking

- If at any time the Dongle and Feature Code do not Match but a Valid Dongle is Plugged-in, TSW will Run with a Trouble in the System and without Purchased Features
- A Blank Feature Code is Allowed for any Valid TSW Dongle however Purchasable Features will be Disabled



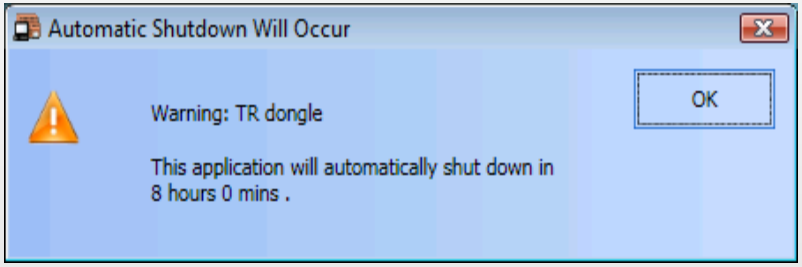


Enhanced Security also Facilitates Quick Enabling and Verification of Optional Features on Customer Site

Other Version 2.01 Enhancements

Enhanced Dongle Security Checking

- If a Dongle is Removed after being Matched with a Valid Feature Code (including Blank Feature Code) the User will be able to Run TSW for 72 hours (clock-based, up to a maximum running time of 72 hours)
  - TSW will Report a Periodic Trouble and Time Remaining Dialog
- A TR Dongle will Allow All Purchasable Features to be Unlocked without Requiring a Feature Code
  - TSW can be run Continuously for up to 8 hours with a TR Dongle (resets at each startup)
  - TR Key Reports MISSING USER DONGLE Trouble on TSW

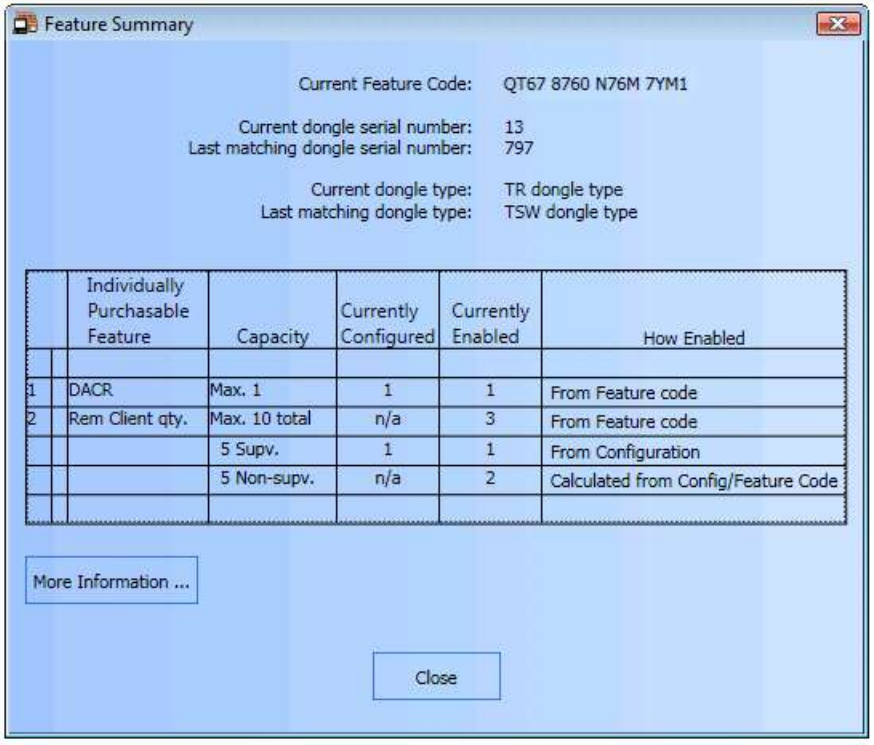


Enhanced Security also Facilitates Quick Enabling and Verification of Optional Features on Customer Site

Other Version 2.01 Enhancements

Feature Summary

- Feature Summary Dialog (accessible through Help Menu or through About dialog) Shows Info about Dongle; i.e., Feature Code, Features Configured and Enabled
- More Info Dialog Shows Additional Status (mostly for troubleshooting)



Enhanced Security also Facilitates Quick Enabling and Verification of Optional Features on Customer Site

Other Version 2.01 Enhancements

Feature Codes and the New TSW Security Dongle

- Feature Codes are the Means that Allow a TSW to Support Purchased Software Features (Remote Clients and DACR Interface)
  - Features Codes Generated with an Order in Manufacturing are Matched to a Specific TSW Dongle Serial Number
  - Dongle Serial Number Information MUST be supplied to Applications Engineering with Orders for Aftermarket Software Feature Additions to Existing TSW Systems
  - The Feature Code to Support the TSW's Feature Configuration MUST be Entered in the TSW at the Customer Site with a Matching Dongle Serial Number
- TSW Remote Client Software can be Installed on Multiple PCs (no dongle required):
  - However, a Feature Code to Allow Remote Client Connections to the TSW Server MUST be Entered in the TSW
- Only the TSW Server PC Requires a Security Dongle
  - Remote Clients DO NOT Require a Security Dongle

Enhanced Security also Facilitates Quick Enabling and Verification of Optional Features on Customer Site

Other Version 2.01 Enhancements

Version 2 Localization Kit for Language Translations

- Both English and French TSW Runtime Software are Available with the Initial Product Launch
- A New Localization Kit for Version 2 is also Available with the Initial Product Launch for other Language Translations
  - Kit will be available on Technical Services Intranet Site
  - Visual Studio is No Longer Required
  - Additional Details in Localization Procedure (579-946)
- Localization Tool Supports Requirements for Language Translations in All Global Markets

Supports Global Requirements for Language Translations

TSW Upgrade Solutions

- 4190-8605 and 4190-5054 TSW Phase 1 to Phase 2 Dongle Exchange is available through Applications Engineering
- RMA Credit will be given for Upgrade Return of Customer's Legacy GCC/IMS Security Dongle when associated with a New TSW Order
  - 4190-8401, -8403, or -8603
- RAM Upgrade Kits are available for Existing 2.8GHZ PCs
  - 4190-9812 512MB RAM Upgrade Kit for Windows XP
  - 4190-9814 1GB RAM Upgrade Kit for Windows Vista

Simplex PC Compatibility for Windows Operating Systems

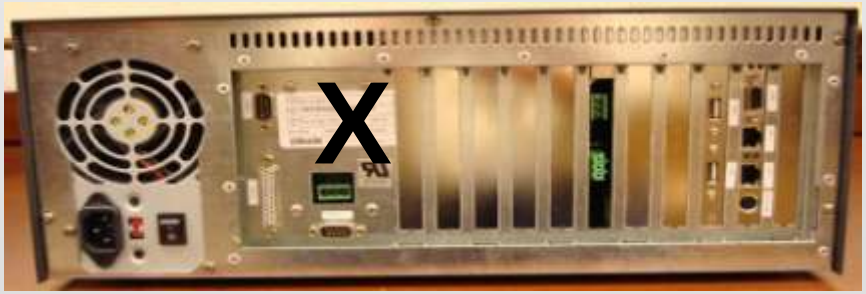
Simplex PC Vendor Model #	Operating System Compatibility	Hardware Upgrade Required
51-TSP02-969	**Windows XP:** Requires RAM Upgrade	Requires 4190-9812 512MB RAM Upgrade Kit for Windows XP
	Windows Vista: NOT Compatible	Requires New PC for Windows Vista
51-TSP12-969	**Windows XP:** Compatible	Hardware Upgrades NOT Required for Windows XP
	Windows Vista: Requires RAM Upgrade	Requires 4190-9814 1GB RAM Upgrade Kit for Windows Vista (note: upgrade kit to be released in June 2008)
51-TSP15-969	**Windows XP and Vista:** Compatible with both	Hardware Upgrades NOT Required
All other models	**Windows XP or Vista:** NOT Compatible	Requires New PC

Customer Delighters!

Comark Model Number Location

- Where is the Model Number located on the PC?
  - Look on the bottom of the PC for the model number, not the back

This is Upgradeable to Vista
Order (1) 4190-9814
1GB RAM Upgrade Kit



TSW Upgrade Solutions

TSW Upgrade Application and Programming Notes

- When Upgrading an Existing GCC, IMS, or TSW Version 1 System with Graphics to TSW Version 2 it is Strongly Recommended that All Client Monitors (local and remote) be the same size as the original Monitor
  - If a Standard (4:3) Monitor was used for the original screen programming, then a Standard monitor is recommended for both local and remote clients with TSW Version 2
- If Widescreen Monitors are to be used on any Client (local or remote), for Upgraded Screens that have Control Keys it is Strongly Recommended screens with Control Keys be Reprogrammed so that the Control Keys are Placed in a Dedicated Non-Zoomable Area of the Screen
- For All TSW Version 2 or later Systems, Control Keys and Non-Zoomable Objects Must be Placed in a Dedicated Non-Zoomable Area of the Screen to Support Client / Server Systems that may use Multiple Style Monitors (standard and widescreen)

Ordering Information

Adobe Acrobat Document

To Review Click on the Document Icon

Refer to Data Sheet S4190-0016 for latest information

TSW Install Contents

Installation Package

- Single file
- Option to install complete Server/Client or only Remote Client

.Net Framework (3.5 SP1)

- Required by TSW
- Included on CD in case not already installed

MS Windows Installer

- For XP

Instruction Manuals

TSW Documentation

- Updated Data Sheets are available on iPubs
  - S4190-0016 TrueSite Workstation
  - S4190-0018 Ethernet Switches
  - S4190-0011 Dot Matrix Event Printer
- The following technical publications are available on iPubs
  - 579-834 TSW Installation and Checkout Instructions
  - 579-835 TSW Operation and Application Instructions
  - 579-838 TSW Software Upgrade Instructions
  - 579-844 TSW Configurator Reference Guide
  - 579-878 TSW Quick Reference Card
  - 579-888 TSW Service Parts List
  - 579-889 TSW Guidelines for Order Writing & Graphic Screen AutoCAD Submittals
- Be sure to run SpecGen Update to get the Latest A&E Specs

Latest Tech Docs are Available on iPubs

Where's The Value?

- Scalable, Cost Effective, Ethernet Network Connectivity for Multiple Remote Client Workstations and Annunciator Terminals
- Leverages Customer's Existing LAN / WAN Infrastructure for Remote Client Annunciator Communications
- Protects Customer's Investment and Life-Cycle Cost with GCC/IMS Upgrade Packages and with Forward/Backward Compatibility to Existing Simplex Fire Networks
- Increases Operator Efficiency through Improved Graphics and Rapid Access to Information
- Intuitive Operation with Custom Action Messages allows Accelerated and Accurate Response to Emergencies, Limits Customer Risks, and Reduces Training Requirements

Customer Focus + Innovative Features = Customer Value

Where's The Value?

- Agency Listed Seamless Integration of All Competitive and Legacy Systems
- Strengthens Protection of Life and Property through Centralized Life Safety Information Management
- Extensive Historical Log Data can be Easily Accessed and Automatically Archived Providing Peace-of-Mind and Reduced Liability
- Superior Technology: Remote Clients over Ethernet, Dynamic Pan-and-Zoom Graphics, Extensive Information Management and Reporting, Peer-to-Peer Network Survivability, Network Diagnostics, AutoCAD Compatible, Graphic Screen AutoCAD Import/Export Capability, and more…)

Customer Focus + Innovative Features = Customer Value

Support Resources

Sales Engineering Support / Tyco Safety Products

- International Sales Engineering: Ed Arcikowski (978) 731-7510 or EArcikowski@tycoint.com

Technical Support / Tyco Safety Products

- Technical Support: (800) 363-6655 or Intertechsupp@tycoint.com

Extranet Website:

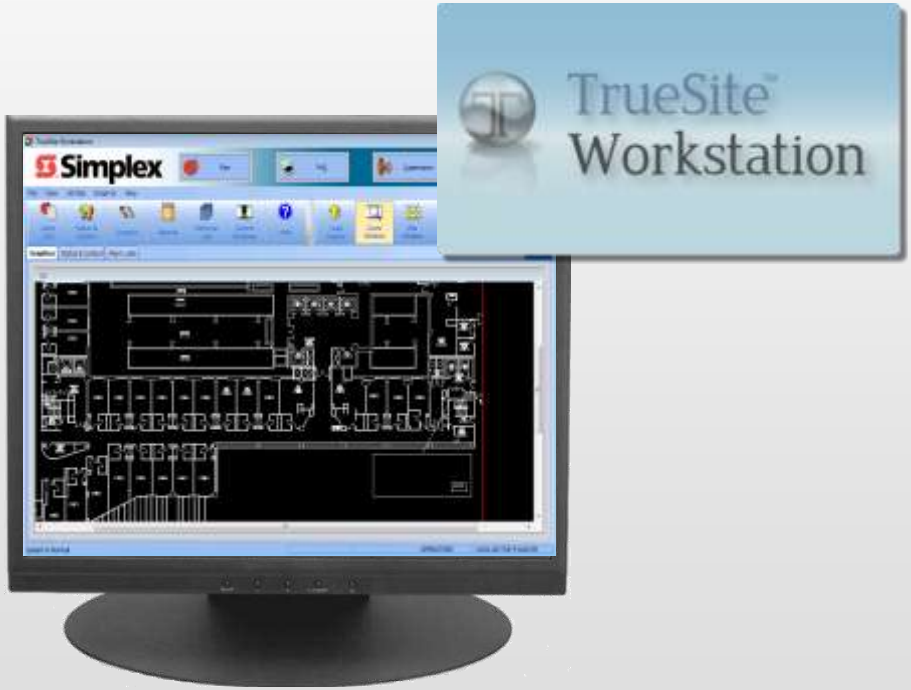
- Log In: http://www.tycosafetyproducts-us.com

Training

- TSPI email: TSPI@tycoint.com
- TSPI Website: http://safetyproductstraining.com/
- TSW Version 2 Training Announcement

Adobe Acrobat Document

TrueSite™ Workstation
Common Version 1 and 2 Feature Review



Key TSW Features

Touchscreen or
Mouse User Control

Supports NEMA SB 30 Fire Service Annunciator and Interface Standard

Key TSW Features

UL, ULC, and CSFM Listed, FM Approved

UL/ULC/FM Proprietary Supervising Station Receiver Listings
(Requires Model 4190-8403)

Key TSW Features - Enhanced Graphics

Upgrade Path for Existing Customers

Enhanced TSW Graphics

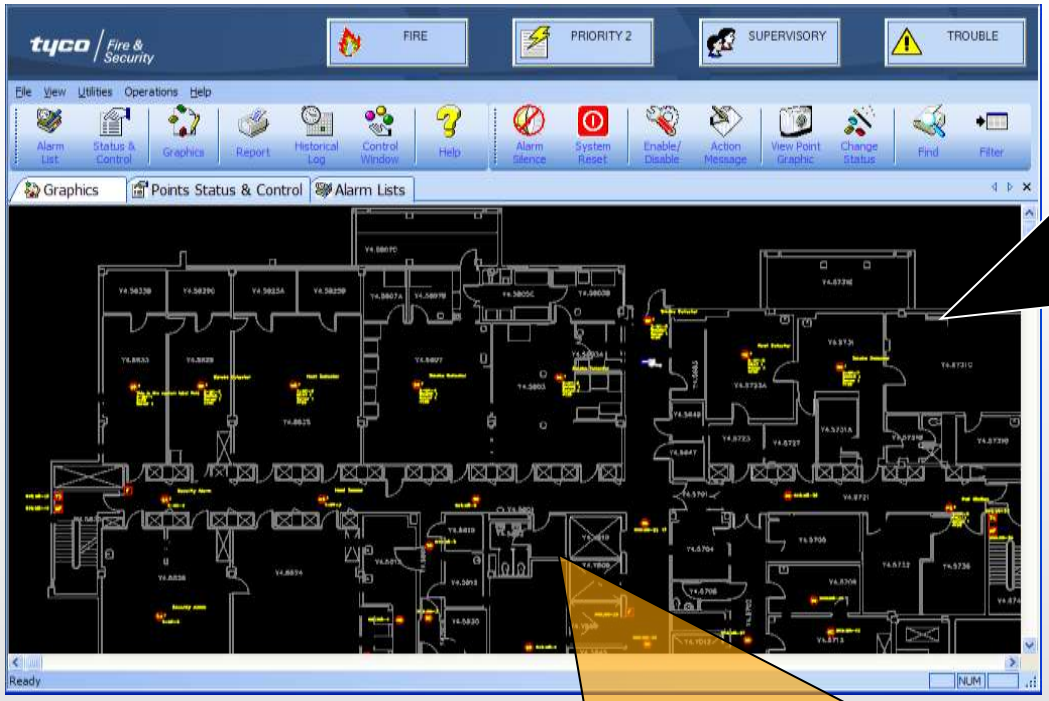
Moveable Dockable Window Panes

Multi-Monitor Support

"Coverage Zones" Flash to Indicate Area of Alarm

Superior Technology

Enhanced TSW Graphics



Graphics

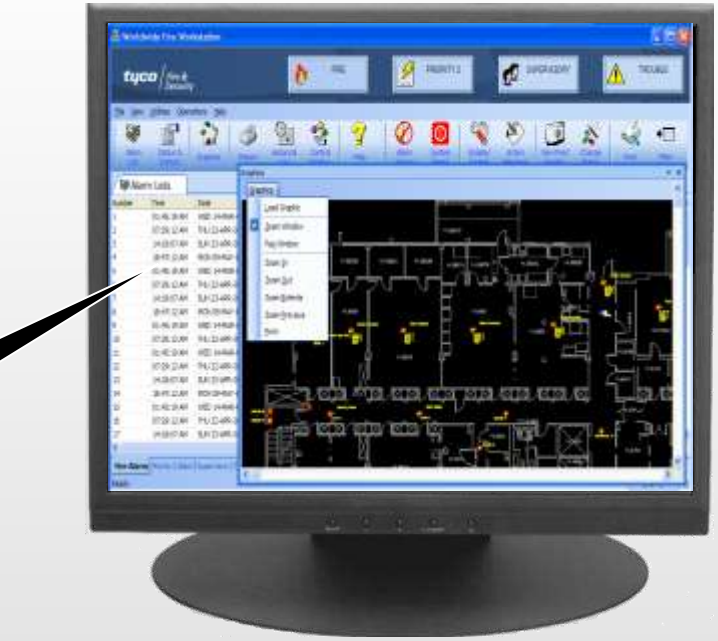
autodesk

COMPATIBLE

AutoCAD R9, 10, 11-12, 13, 14, 2000-2002, 2004-2006, and 2007

Extensive AutoCAD Compatibility with Import and Export

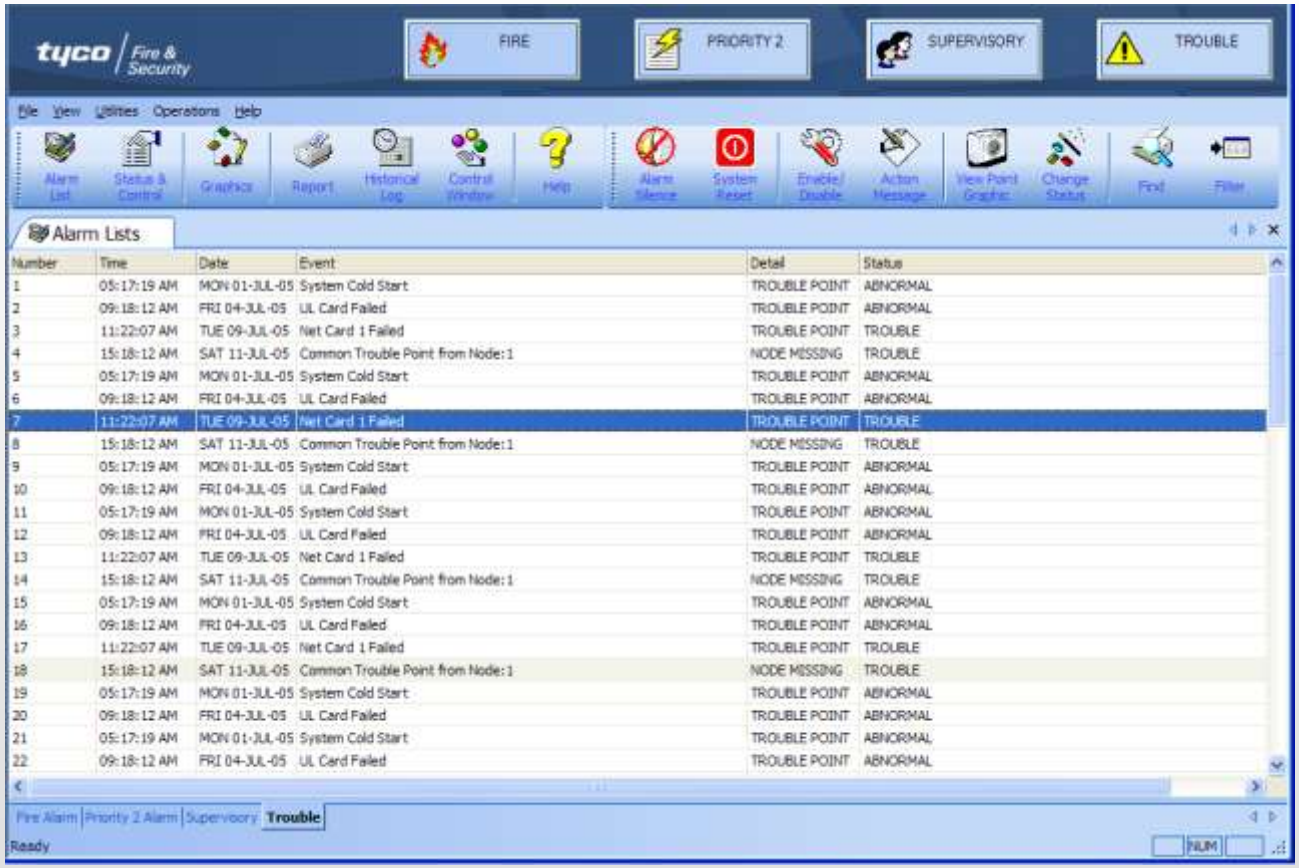
Dedicated or Multi-Tasking Operation



Multi-tasking Options

Configurable for Captive or Non-Captive Operation

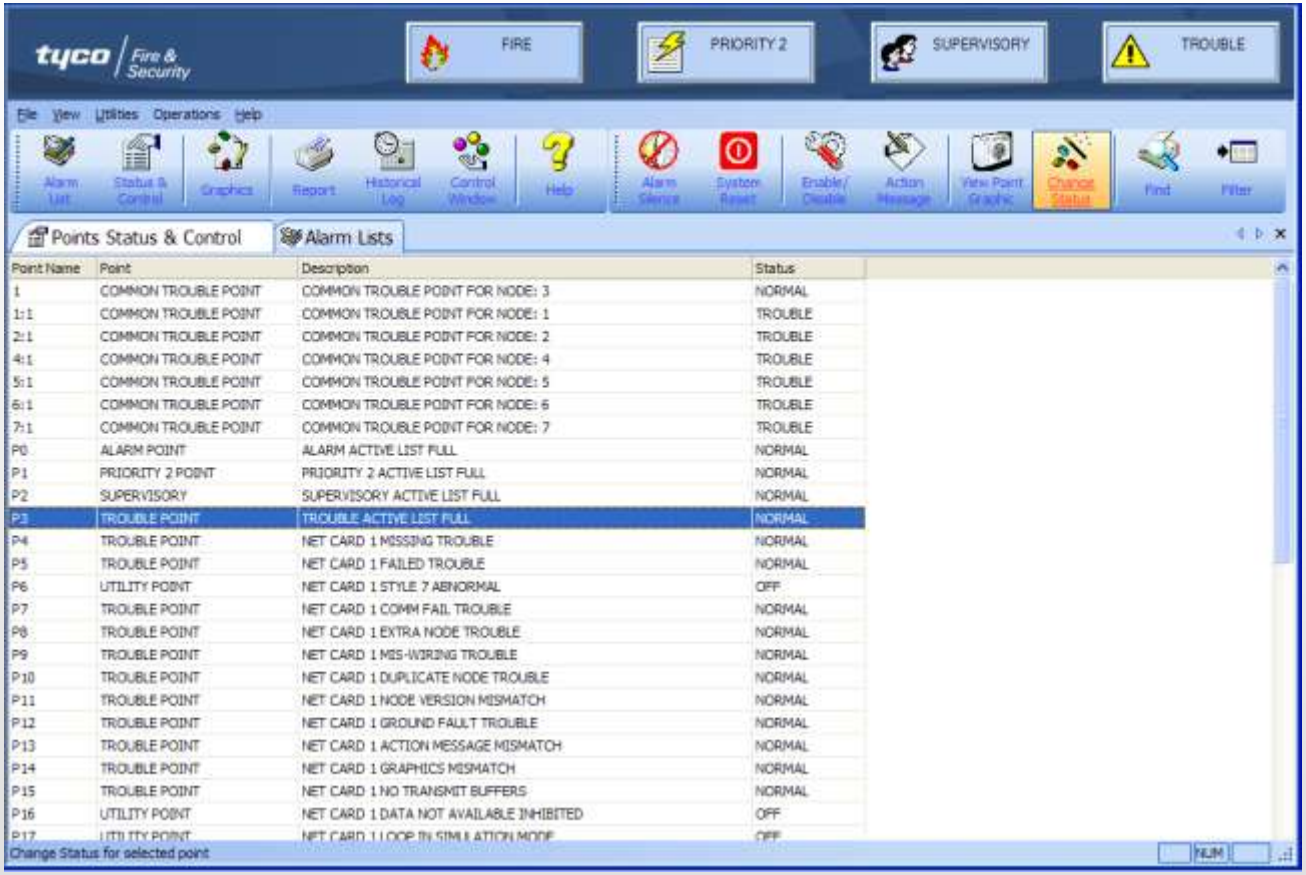
Alarm List Window



Immediate Access To Any And All Information

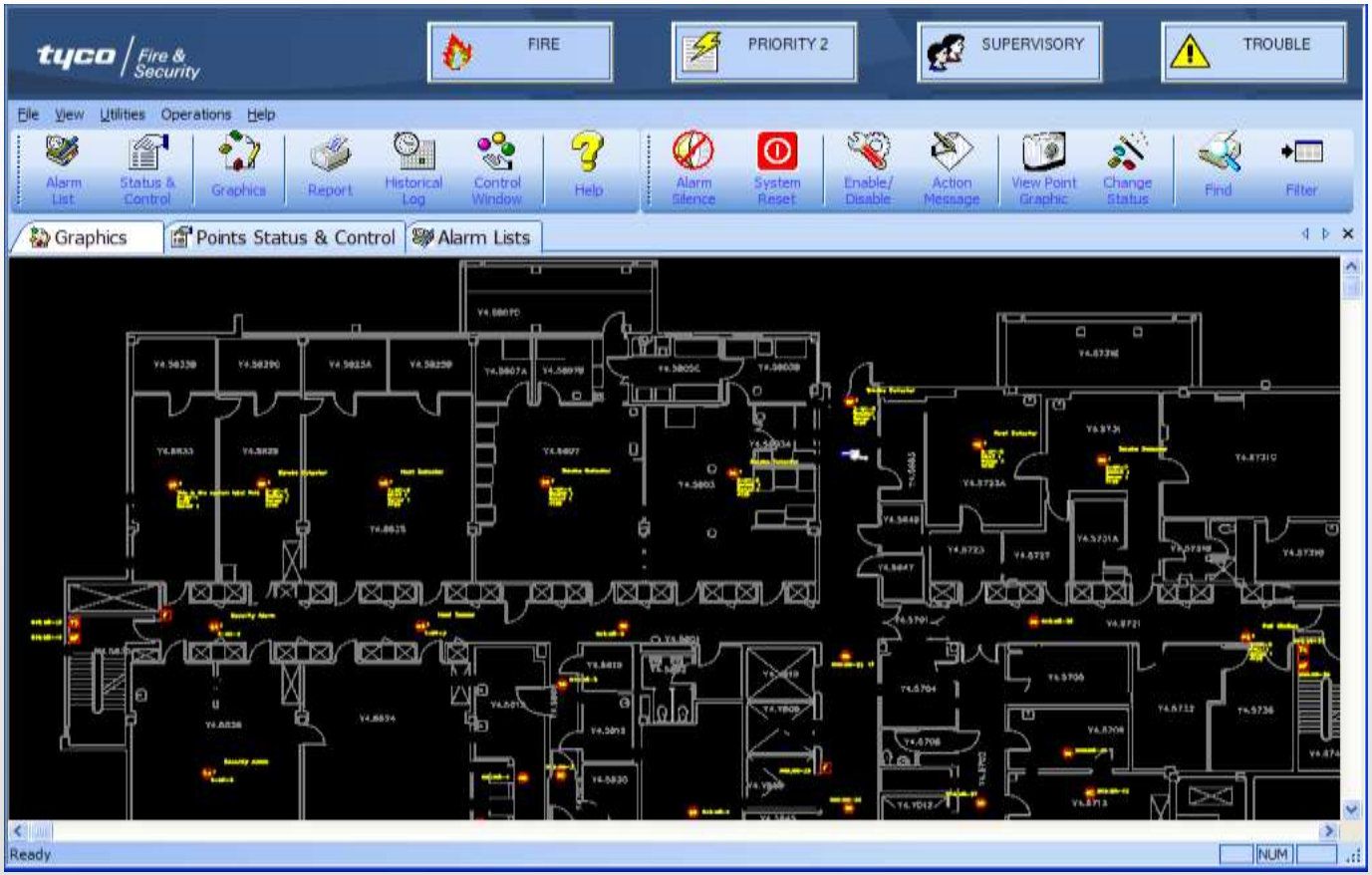
Sort-by-Column Information Management Efficiency

Point Status and Control Window



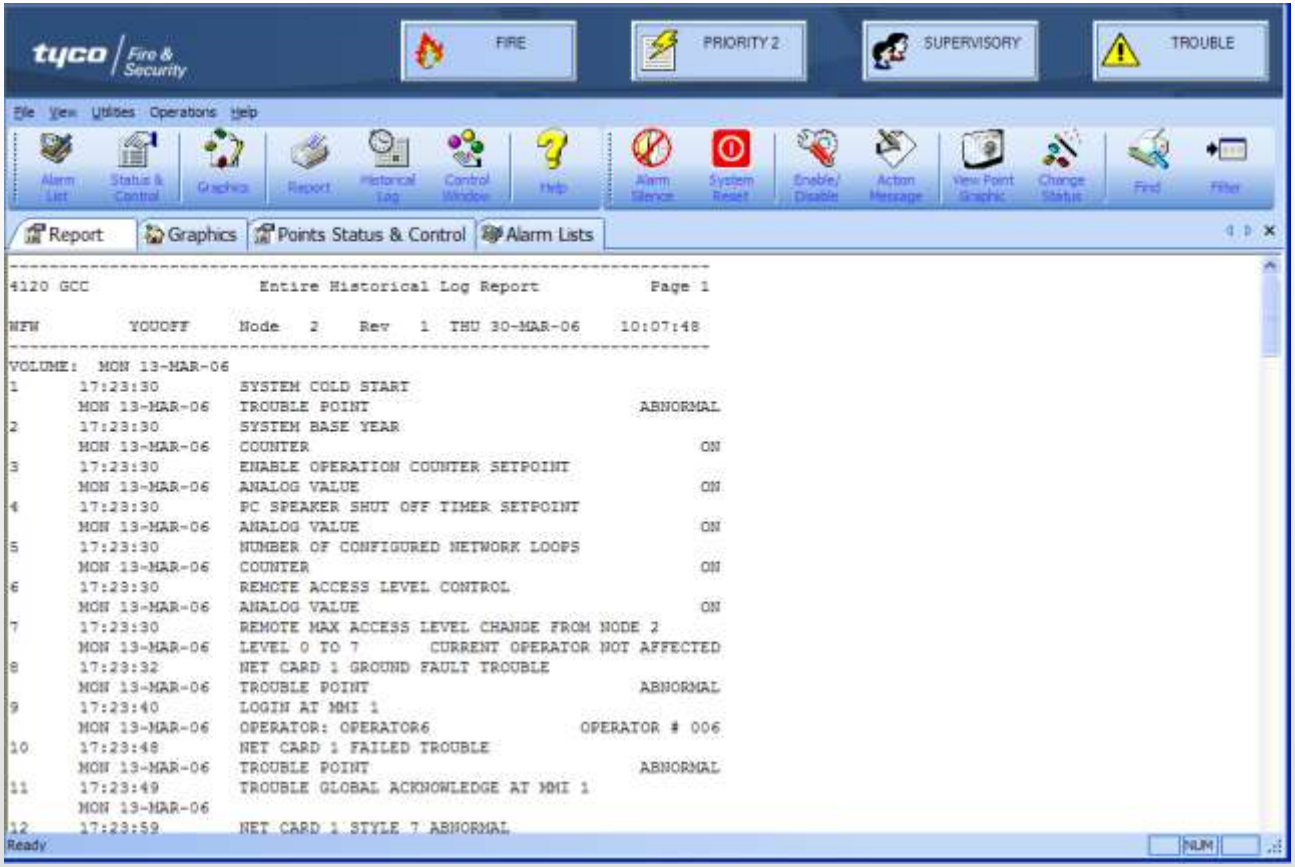
Monitor And Control with a Mouse Click

Graphics Window



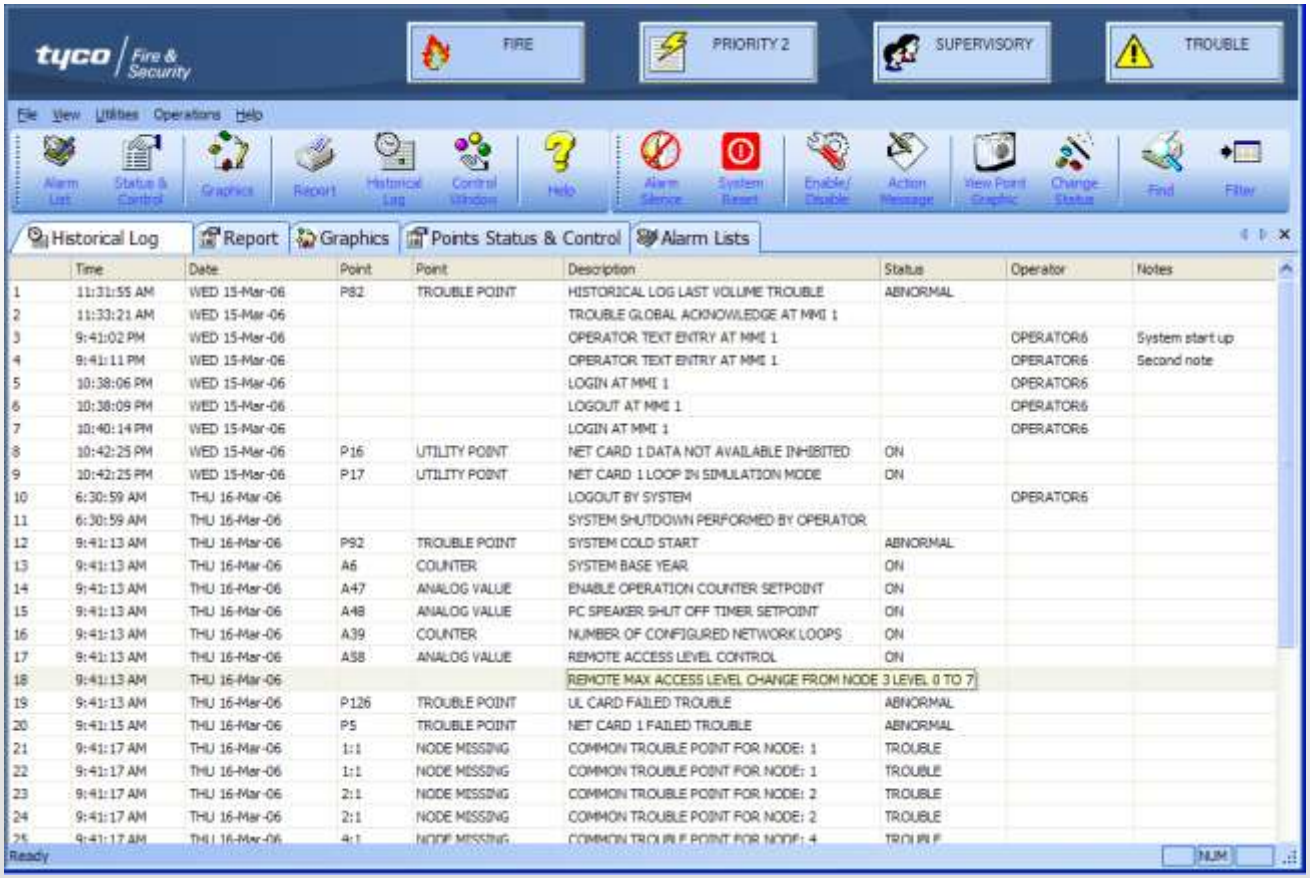
Pan-and-Zoom Capabilities

Reports Window



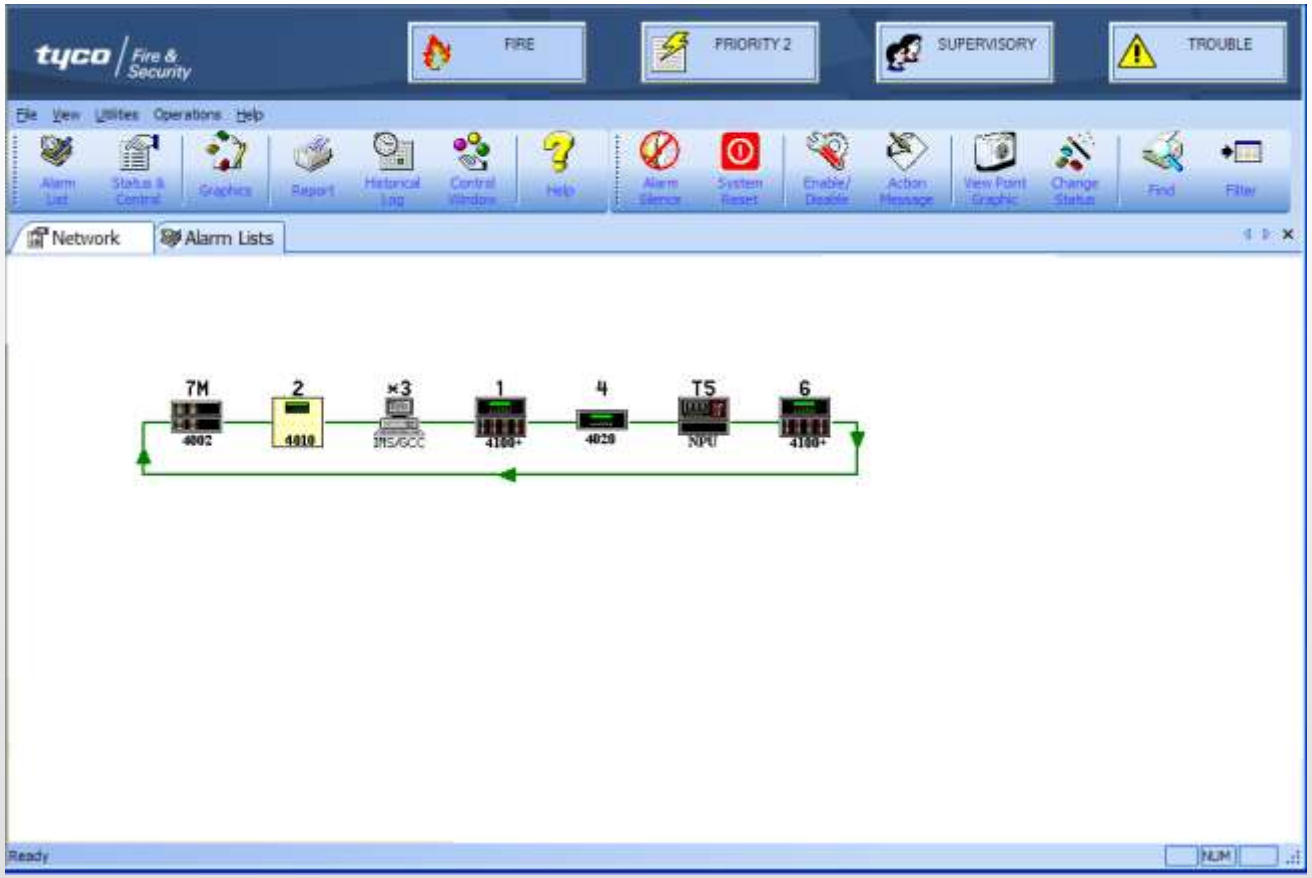
Reports At Your Finger Tips

History and Operator Logging Window



Comprehensive Historical Archive

Network Window



Fast And Easy Diagnostic Tools

Custom Banner Background

- The TSW provides a default banner bitmap (maximum size 1024x68 pixels) with Simplex Logo
- A custom site-specific bitmap can be created which may be used to display a corporate logo or other user preferred banner background

Customer Delighter!

Custom Main Screen Background

TSW’s Default Main Screen Background

TSW supports a custom site-specific bitmap which may be used to display a corporate logo, facility photograph and layout, or other user preferred background image (maximum size 1000x525 pixels)

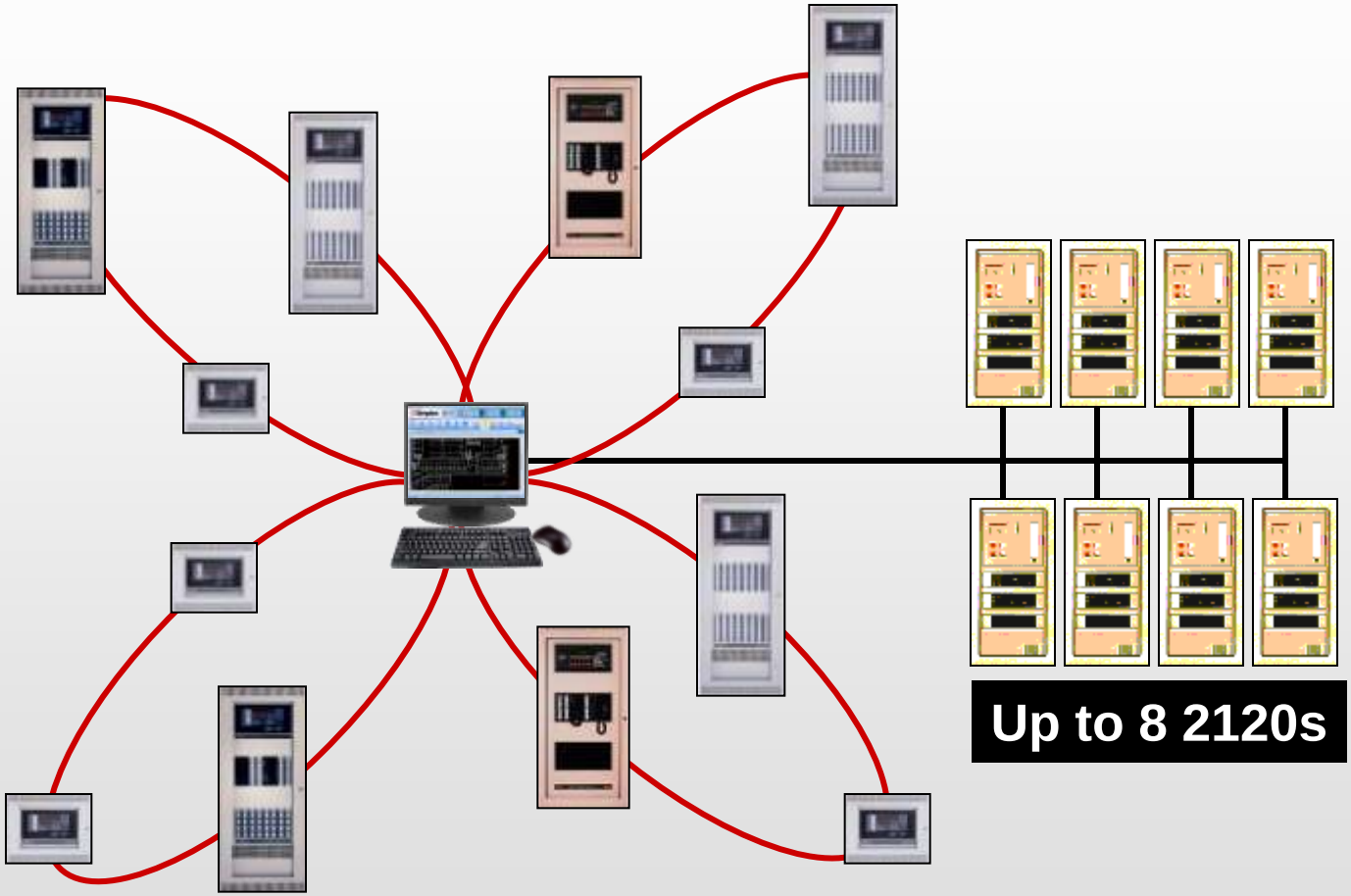
Customer Delighter!

Key Features – Configurable Inactivity Time-out

- TSW has an option for a configurable inactivity timer that automatically logs out inactive users
- When no user is logged in, the TSW will provide view access with limited control privileges. Login to the system will be required for access to additional control operations.

Security Protection Against Unauthorized Use

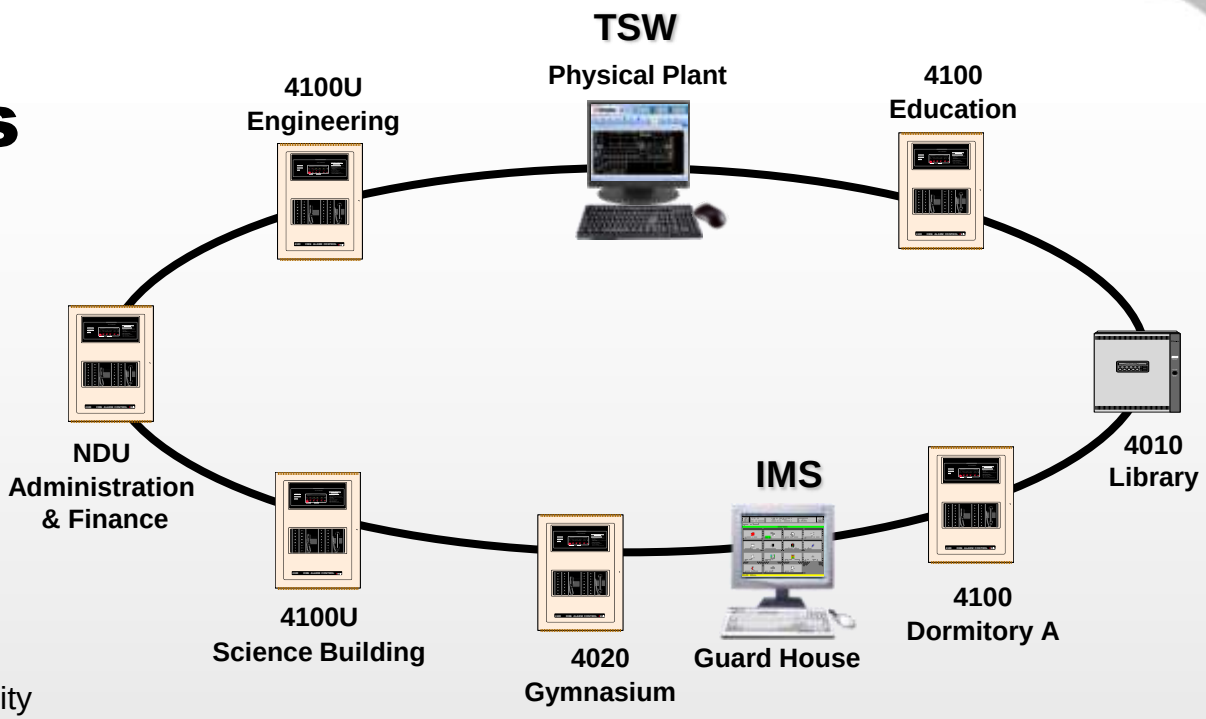
Supports Up to (8) 2120 SLI Connections



Note: TSW Supports a Maximum of 7 PCI Style Option Cards (NIC, Quad Serial Card, etc.)

Scalable Customer Solutions

Key Features



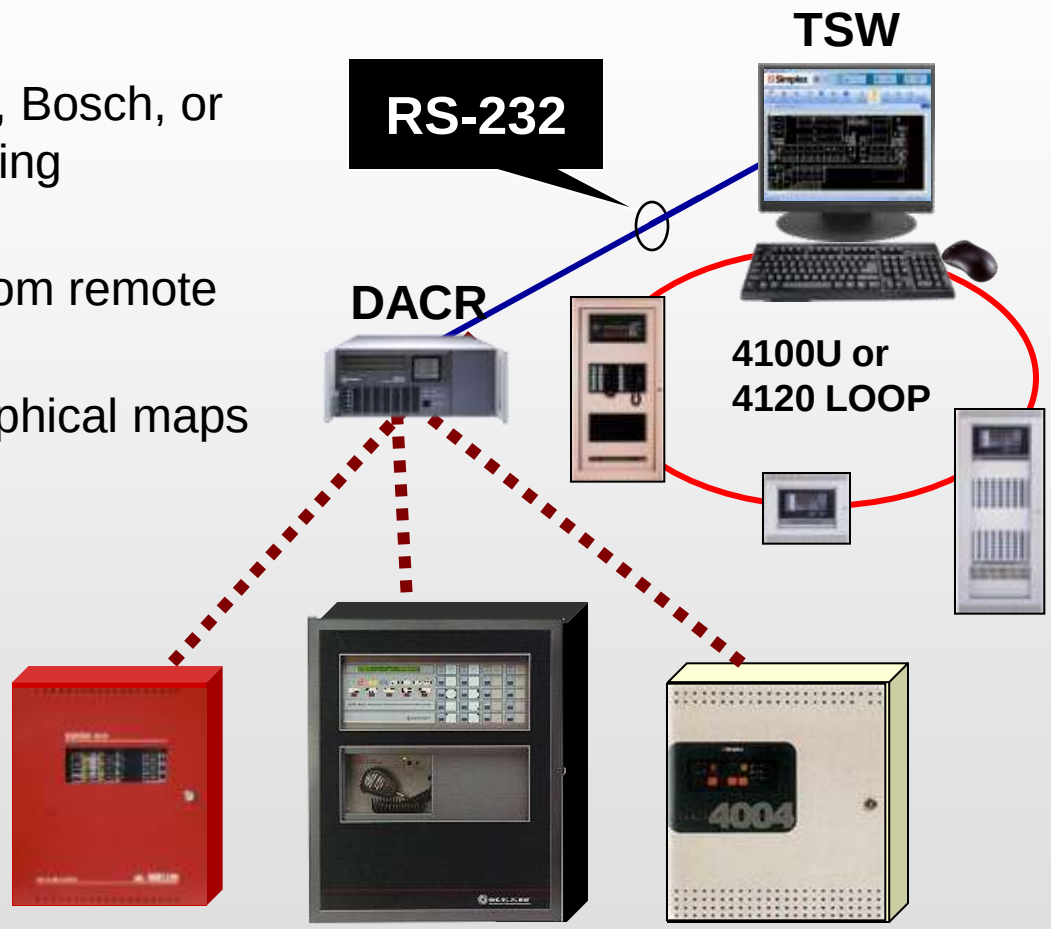
Network Version Compatibility

4120 Network Interface	
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 Master 3.01 (or later)
4002	Network Firmware Version 3.02.92 (or later)
2120 (SLI) Interface	
2120	Version 5.44 (or later) Network Firmware Version 3.02 (or later)

Compatible with Existing Simplex Networks, GCC and IMS

Key Features - Universal Integration Solution

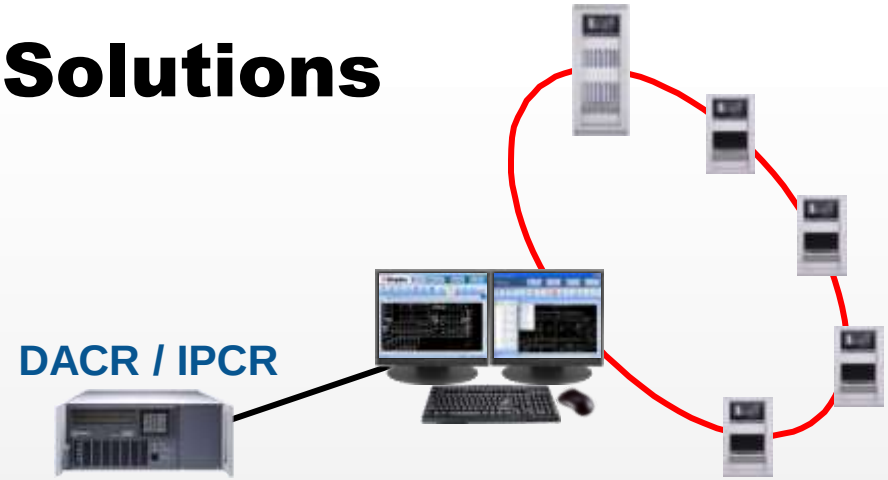
- Requires Compatible Sur-Gard, Bosch, or AES Digital Alarm Communicating Receiver
- DACR receives transmission from remote panels
- TrueSite displays status on graphical maps
- Seamless integration of multiple systems
- Agency-listed for ALL panels



Agency Listed Bridge for Integration of Multiple Systems

TSW DACR Interface Solutions

- Proprietary Receiving Station
  - Simplex Fire Systems Network
    - 4120, 4100U
  - DACR Interface
    - Sur-Gard System III or Bosch D6600
      - Dial-In Telephone Service
      - TCP/IP Communications



- Wireless RF Receiving Station
  - AES - Intellinet® 7705i Receiver
  - Requires TSW Version 1.01.04 or later
  - Ref. Wireless Solutions

Cost Effective, Agency Listed, Systems Integration

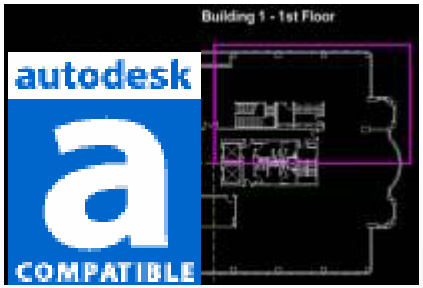
Preserves Customer's Investment

TSW DACR Interface – Solution Benefits

- TSW's DACR Interface integrates virtually *ANY* control equipment onto a Central Workstation Command Center
- Unlike many competitive communication protocol interfaces, TSW's DACR Interface is not affected by software and protocol changes that may break compatibility and agency compliance resulting from software upgrades to the control equipment being monitored
- Protocol interfaces often require ongoing protocol development necessary to maintain compatibility with between equipment from different manufacturers and new versions of software; thus, these interfaces are often difficult to manage, cost prohibitive, and a liability risk to the building owner
- The Simplex TSW DACR Interface Solution ensures ongoing Agency Listing compliance and virtually eliminates the ongoing maintenance and compliance cost associated with standard protocol interfaces

Cost Effective, Risk Avoidance, Peace of Mind

AutoCAD Compatibility



AutoCAD Compatible Formats

Compatible Import Formats:

- DWG Formats: AutoCAD R9, 10, 11-12, 13, 14, 2000-2002, 2004-2006, and 2007
- DXF AutoCAD R14 and 2000

Compatible Export Format:

- AutoCAD 2000 DWG/DXF Format (allows editing in AutoCAD 2000 or later)

Editable TSW Configurator Entities

- Images have been Added to List of Editable TSW Configurator Entities

* Note: Images Must Originate from Bitmap File

Extensive AutoCAD Compatibility