



XL Graphics Client/Server

XL Graphics Client/Server provides event annunciation, status display and control for various fire and evacuation networks using a Windows® based graphical interface with a high resolution colour display.

INTRODUCTION

Using a combination of symbols, floor plans, pictures and text, XL Graphics Client/Server (XLG C/S) can display the precise location of a fire alarm event and give detailed emergency response instructions. Communications can be established with floor wardens via EWIS WIP phones to co-ordinate evacuation procedures. A detailed map of the affected area can be printed automatically for use by emergency response personnel. Prompt response to a fire emergency, with the correct action, provides the opportunity to greatly improve safety and reduce financial loss.

Multiple XL Graphics Client terminals can be connected on the same network for redundancy or ease of operation. Individual user access levels allow maintenance/engineer's functions for performing higher level network investigations and configuration changes, as well as limited lower-level operator functions. XLG C/S is able to annunciate and control both Fire and EWIS/Occupant Warning systems.

FEATURES

- Monitors all events on Fire and EWIS networks using graphics and text
- Automated graphic display and printing of latest fire event locations
- Simple and effective graphic interface
 - Custom alarm and fault messages guide an operator through dispatch response
- Extensive history logging
 - Full and extensive event log of the entire fire and evacuation graphics system
 - Rapid event filtering for easy event location
 - Printing of event log, graphics screens and fire system reports
- Multiple XLG terminals on a network can perform redundant operation or specific functions
- Easy site configuration
 - Point-and-click device positioning and configuration
- Supports common graphics file formats
 - Importing of CAD drawing files, metafiles, image files and scanned media
- Centralised security and service administration
 - Multiple operator levels with password control
- One-off configuration for all terminals
- Vigilant Panel-Link network support
 - Enables monitoring and control of fire alarm and evacuation/occupant warning networks
 - Integrates numerous Fire Indicator Panels (FIPs); Conventional and Analogue Addressable
- Graphical diagnostic tools identify status of fire network nodes
 - PC environment monitor



XL Graphics C/S Operation

XL Graphics C/S Operation

When the status of a device on the network changes, the screen displays the type and location of the event. The operator can then navigate to a more detailed view of the zone or device. From the XL Graphics C/S screen (with the appropriate password access) the operator has the ability to:

- acknowledge alarms
- silence sounders and turn off visual indicators
- perform a system reset.

Route arrows showing the recommended access path for the fire brigade can be displayed on alarm events screens. Custom alarm and fault messages can be added to provide operator dispatch assistance. Location-specific information, such as hazardous material storage and lists of people to notify, can be automatically or selectively displayed.

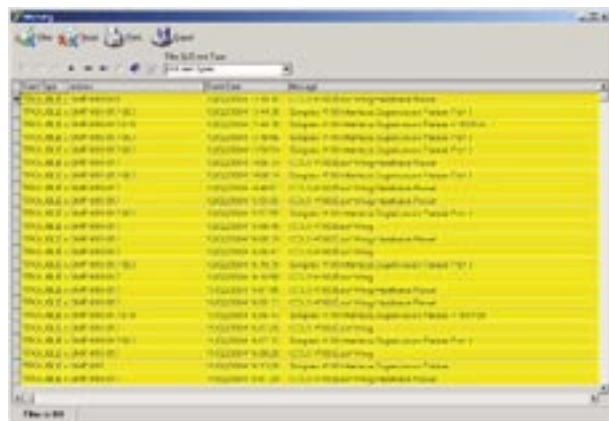
XL Graphics C/S Screens

Graphics screens can provide easily recognisable site plan and floor plan information. The level of detail can be customised for the specific facility to easily and accurately direct the operator to the immediate area of interest. Optional icons can be added to identify the exact device of interest, and may be used to directly navigate to other predetermined screens for more detail.

In addition to screen text or graphical information, the operator can be presented with specific messages that provide emergency response information and directions. These messages can be easily edited to suit local requirements.



XL Graphics Client Screens



XL Graphics C/S Event History Log

XL Graphics C/S History Log Information

When history details are required for network point information, the required data logs can be retrieved easily and accurately.

Data and information can be accessed by specific categories, sorted by date or day reference.

Reports of data history can be reviewed on the screen, printed at a local or remote system printer, or can be written to external media, such as USB flash drive or CD, in a variety of formats including spreadsheet and web browser (html).

The date and event types appear in separate fields to facilitate information sorting. With this feature, detailed records of the system's history can be maintained by adding information such as fault investigation details.

Password Control

A simple username and password log-on procedure - during which the operator access level is determined - is used to gain entry into XL Graphics C/S. Functional access is selected to match the training and responsibility of the operator. For operators who are primarily concerned with immediate facility security, a lower level access will provide the information necessary for proper response, without access to key parameters that determine overall system/network operation. Operators with additional XL Graphics and fire network training may be qualified for access to more functionality - such as control of the fire or evacuation panels.



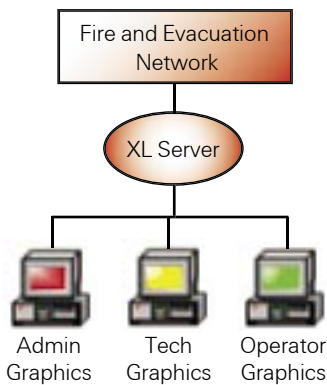
XL Graphics C/S Security



Network Diagnostics

Built-in diagnostics provide graphical views of the network topology and current network status. Failed communications links, that may be due to wiring breaks or short circuits for example, as well as inactive network nodes, are indicated clearly to enable rapid resolution of network faults.

XL Graphics C/S Diagnostics



XL Graphics Clients connected to XL Graphics Server

True Client/Server

The XL Graphics Server can support multiple XL Client terminals operating independently. Connections from the Fire and EWIS networks are made to the XL Graphics Server.

Login names and passwords give administrators the power to restrict operator control on any Client terminal on the XL Graphics C/S network.

When using multiple XL Graphics terminals for critical response, a dedicated network with adequate security and redundancy should be used. However, operation of non-critical XL Graphics terminals - for example Engineering/Maintenance departments - can utilise existing TCP/IP infrastructure.

XL Graphics Client/Server Configuration

Configuring XL Graphics C/S has been simplified with the ability to import fire panel configurations, drag-and-drop device insertion and the ability to accept a wide range of graphical file types including GIF, JPG, Bitmap, AutoCAD® and Vector, from such sources as CAD packages, paint programs, scanned drawings, photographs, digital still and video cameras. Device icons can be superimposed to show their location on the captured images. This method of capturing and superimposing can provide XL Graphics C/S with high quality images at low cost.



Multiple Network Integration

XL Graphics C/S supports extensive fire network integration and interconnection. Multiple networks as well as conventional FIPs can be monitored and controlled by XL Graphics C/S.

Each fire network and/or standalone FIP connected to the Panel-Link network interfaces to the XL Graphics Server using a suitable communications device such as the Protocol Translation Module (PTM), or Intelligent-Hub (I-HUB), depending on the network configuration.

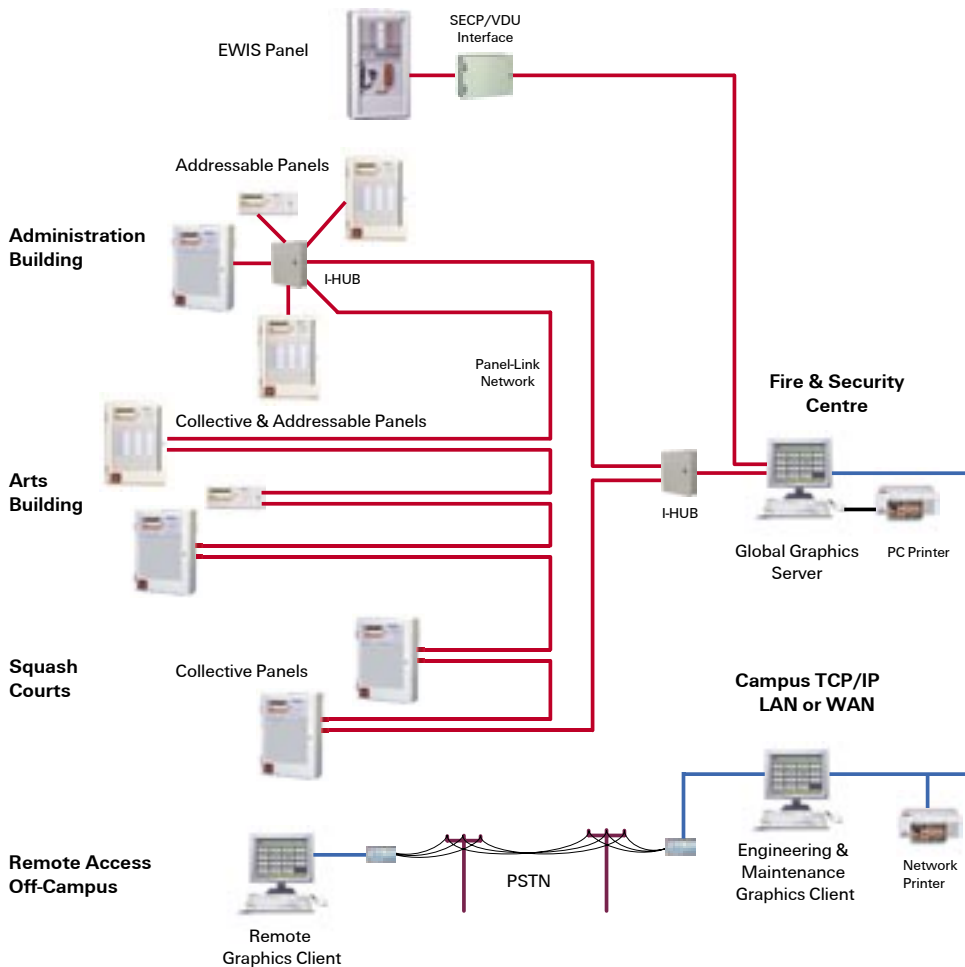
EWIS networks interface to the XL Graphics Server using a SECP/VDU Interface.

Each XL Graphics Client terminal communicates with the XL Graphics Server using IP networking.

XL Graphics C/S Operation on Panel-Link Network

• Vigilant Panel-Link Network

- Multidropped RS485 connections
- Up to 64 networked devices multidropped depending on required functionality
- Multidropped cable length <1200m, shielded twisted pair
- Galvanic isolation between panels & network
 - High noise immunity
 - Reduced earth loop problems
- I-HUBs used to extend network (ring configuration)
- Link Integrity function supervises XLG C/S network



Hardware Requirements

1. Fire panels on the Panel-Link network connect to the XL Graphics Server using the PTM or I-HUB interface. EWIS panels are connected using the SECP/VDU interface. The XL Graphics Server requires a serial comm's port for each interface.
2. The XL Graphics Server must have a free USB port.

Software Requirements:

1. Windows 2000® or Windows XP® SP2 operating system

Tyco reserves the right to alter specifications without notice in line with its policy of continuous product improvement

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