XLG-C/S

Fire and EWIS Network Graphical Annunciation

Features

- Monitors all events on VIGILANT ***MX1***, F3200, MX4428 and QE90 Fire and EWIS networks using graphics and text
- Interfaces to the full range of addressable devices including Smoke, Heat, CO, multi-sensor detectors, VESDA and I/O interfaces
- Addressable device sub point annunication - Provides more detailed site information
- Provides operator control of fire panel zones and points, plus EWIS zones and WIPS
- Support for ***MX1*** AS 1668 Fire Fan Controls
- Timekeeper function broadcasts time & date onto Panel-Link network
- Device Library now includes icons for 'Valve Normally Closed' and 'Valve Normally Open'
- Automated graphic display and printing of first Fire and EWIS event locations
- Simple and effective graphic interface
  - Custom alarm and fault messages
  - Multi-colour device library
- Extensive history logging
- Multiple XLG terminals on a network can perform similar operation or separate functions
- Supports networking to VIGILANT Fire and EWIS panels
- Easy site configuration
  - Point-and-click device positioning and configuration
- Supports a wide range of graphics file formats
  - Importing of CAD drawing files, image files and scanned media
- One-off configuration for all terminals
- Supports up to 250 panels

Advanced Fire Detection Technology

XLG - Client/Server (XLG - C/S) is a graphical alarm monitoring system that has been installed on hundreds of large fire detection and alarm monitoring systems around the world.

Using a combination of symbols, floor plans, pictures, text, voice messages and video, XLG - C/S can display the precise location of a fire alarm event and present 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 XLG 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, and has an optional, industry standard, OPC (Open Platform Communication) server interface to allow a variety of building interfaces to be controlled from a single location.

Example XL Client Screen

XLG – 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 Client screen (with the appropriate password access) the operator has the ability to:

- acknowledge alarms
- silence sounders and turn off visual indicators
- isolate and reset zones and points.

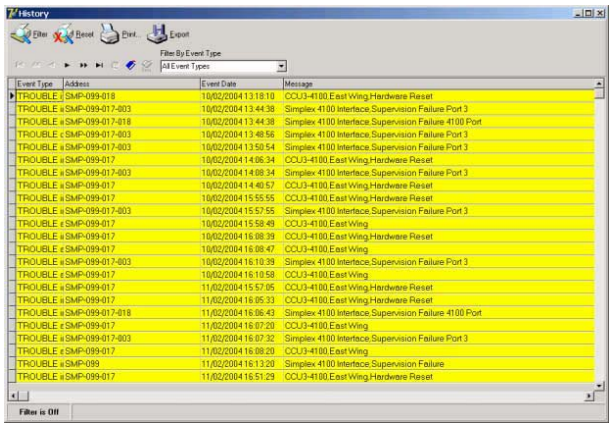
Arrows showing the recommended access path for the fire brigade can be displayed on alarm events screens. Custom alarm and fault messages can be added to provide operator dispatch assistance. Location-specific information, such as hazardous material storage and lists of people to notify, can be automatically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

XLG – 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 and graphical information, the operator can be presented with specific messages and still images that provide emergency response information, directions, type of risk, etc. These messages can be easily edited to suit local requirements. Additionally, live video can be shown in a window, for example, from an IP camera in the area of the event.

XL Client Screens



XL Client Event History Log

XLG – C/S History Log Information

When history details are required to show network point activity, the required data logs can be retrieved easily and accurately. Information can be accessed by specific categories, selected by date or day reference.

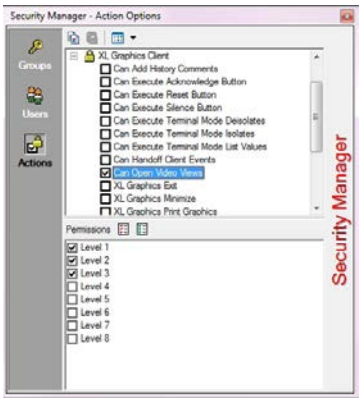
History reports can be reviewed on the screen, printed at a local or remote system printer, or can be written to external media, such as USB flash drive or CD, in a variety of formats including spreadsheet and web browser (HTML).

The date and event types appear in separate fields to facilitate information sorting. Additional information, such as fault investigation reports, etc., can be manually added, to augment the automatically collected event details.

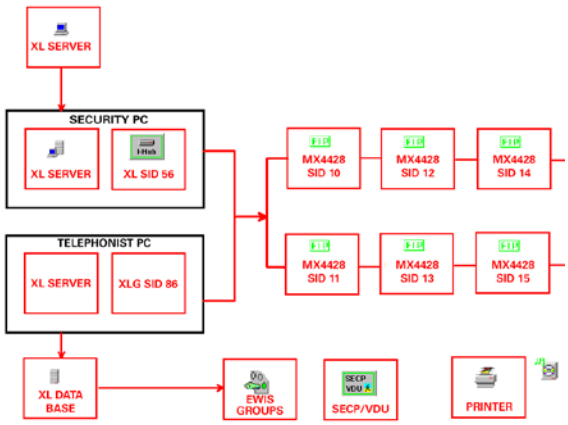
Password Control

A simple user name and password log-on procedure – during which the operator access level is determined – is used to gain entry into XL Client. Functional access can be programmed 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 XLG – C/S and fire network training may be qualified for access to more functionality – such as control of the fire or evacuation panels.



XLG Security Options

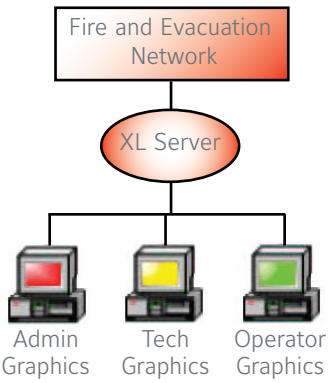


XLG Diagnostics

Network Diagnostics

Built-in diagnostics provide graphical views of the network topology and current network status.

Each configured panel is monitored for connectivity and a fault event is raised for communication loss. Also, each XL Client terminal monitors its connection to the XL Server – with warnings generated if connectivity is lost.
Icons can be added for each panel to enable use of the PanelX fire panel interrogation software.



XL Clients connected to XL Server

True Client/Server

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

For critical systems, duplicate servers can be arranged in hot standby mode, so continued operation can be maintained if one server fails.

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

XLG – C/S Configuration

Configuring XLG – C/S has been simplified with the ability to import fire panel configurations, drag-and-drop device icons onto the screens 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 and digital still and video cameras.

Device icons are superimposed to show their location on the captured images. This method of capturing and superimposing can provide XLG – C/S with high quality images at low cost.

A graphical widget matching the *MX1* Fire Fan / Distributed Switch System controls can be dropped onto screens to replicate the status/provide control for AS 1668 mechanical service interfaces or pump controls, etc.

Multiple Network Connections

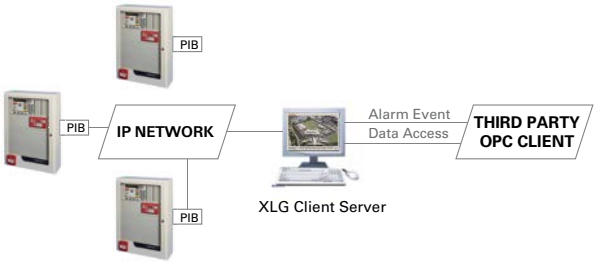
XLG - C/S supports extensive fire network integration and interconnection. Multiple networks as well as conventional FIPs can be monitored and controlled.

Each fire network and/or standalone FIP connected to the Panel-Link network interfaces to the XL Server using a communications device such as the Panel-Link IP Bridge (PIB), or Intelligent-Hub (I-HUB), depending on the network configuration.

EWIS networks interface to the XL Server using a SECP/VDU Interface. Each XL Client terminal communicates with the XL Server using IP networking.

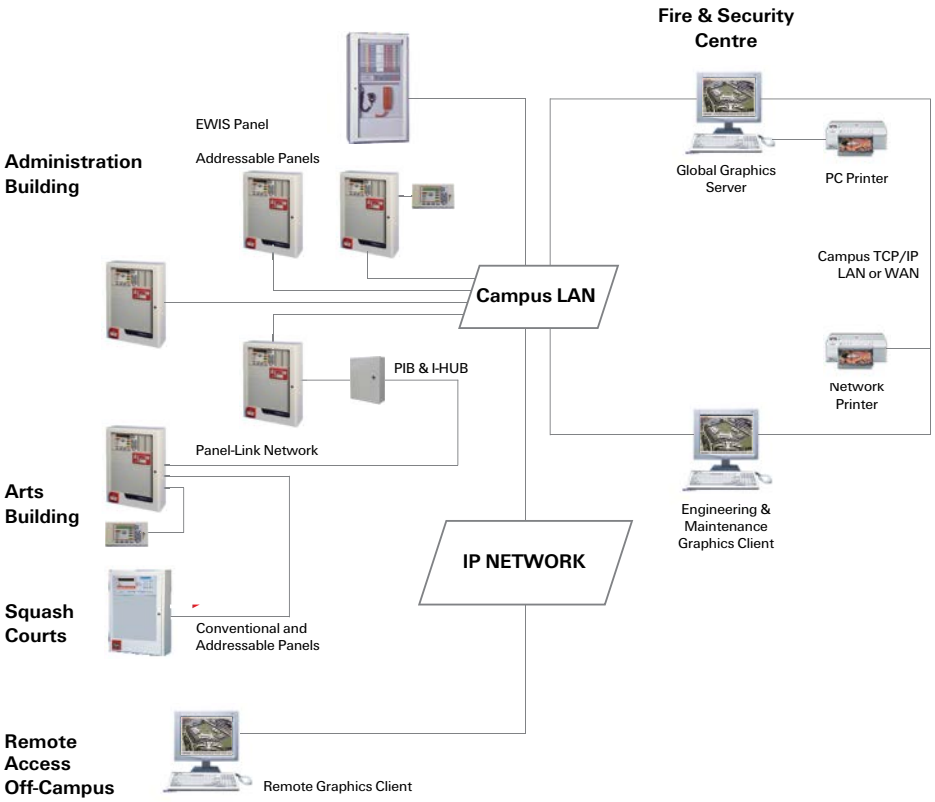
XLG-Client/Server Operation On Panel-Link Network

- VIGILANT Panel-Link Network
- Up to 250 fire panels can be monitored
- 64 panels per network interface
- RS485 networking supported using I-HUB
- IP Networking supported using PIB
- QE90 networking supported using SECP/VDU Interface



OPC

The optional OPC Server function provides an industry standard interface to a variety of Fire and Security monitoring and annunciation systems. The OPC server implements both the Alarm and Event (AE) server and Data Access (DA) server functions. The AE server can be used for event annunciation. The only control which can occur back to the Fire System is Acknowledge of an event. If full control (such as Reset, Isolate) is required, then the DA server will need to be used. Note that both servers are operational and can be used simultaneously. The OPC server application must be used as an add-on to an existing XLG-C/S, which can provide a graphics interface as well as an OPC interface.



Hardware Requirements

1. XLG - C/S connects to each fire panel network using a PIB or I-HUB Interface to match the Panel-Link network arrangement. A SECP/VDU interface is used for each QE90 EWIS network.
2. The XLG Server must have a free USB port.

Software Requirements

1. Windows 7 or 10; 32-Bit or 64-Bit operating system, 16GB RAM.

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VIGILANT, a respected regional brand of Johnson Controls, is a technology leader in the Australian and New Zealand fire detection markets with AS and NZS product approvals. The VIGILANT product line includes a comprehensive range of *MX TECHNOLOGY* fire detection products and the market-leading QE90 voice evacuation systems. VIGILANT product is widely supported throughout Australia and New Zealand by a network of installation companies, service companies and distributors.

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