Server/Graphical User Interface (GUI)

Features

- Monitoring of multiple M-Class PAGA systems
- Intuitive graphical user interface
- Remote monitoring
- PAGA System Configuration Management
- Scalable system support
- Standard ethernet connectivity
- Download log files and error reports
- Non life safety critical path
- Designed for Windows 7 and Windows 8

Description

The state-of-the-art M-Class remote monitoring PAGA system is centralised around one or more LAN based Servers which can be operated on modern Windows based PC platforms.

The PC software element of M-Class is comprised of different components:

M-Server

- Bespoke BARTEC VODEC software
- Back-office server tool
- Central hub for data transfer
- Standalone and redundant configurations are possible
- Access to configuration options for M-Class components

GUI

- Bespoke BARTEC VODEC software
- PAGA monitor user interface
- Status at a glance
- Detailed status drill-down
- Review of data logs
- Multiple GUIs are possible

Database

- SQL Server
- Installed with server software
- Holds all configuration information
- Holds all log data
- Serves data on demand to GUI and 3rd party (OPC) - in development

Security

M-Class has been designed to operate on dedicated LAN networks. There is no need for connection to wider networks or the Internet so eliminating possibility of unauthorised access.

M-Class does not interfere with critical path functions of the PAGA and it is not possible to make unauthorized changes through the GUI.

Secure configuration options through the server require the user to have sufficient access credentials and it is recommended that the server PC be located in a controlled area such as a server room.

Hardware

M-Class software components are designed to run efficiently on off the shelf PC platform hardware. Please see technical data for our specific recommendation.

The GUI supports Full HD 1080 p display.

M-Class supports redundant LAN configurations, to take full advantage of this. GUI and Server hardware should include dual 10/100/1000 Ethernet ports.

Additional options

The standard software components support all the core monitoring functions of M-Class. The following optional advanced functions are also available:

- MVAP software access panel configuration and monitoring
- MPORT configuration and monitoring
- Intelligent loudspeakers configuration and monitoring
- Impedance monitoring

These optional add-ons bring more than just monitoring to M-Class, they allow and require configuration through M-Class software components – but still operate in the absence of network connectivity once programmed. After power loss, the system automatically restores previously saved settings.

Technical data

Hardware
Intel Core i5, 8 GB RAM, 1TB HDD

Software
Windows 7 (32/64), Windows 8 (32/64)

Latency
2 seconds typically

Update rate
approx. 1 second

Log depth
only limited by disk space

Log access
all historic events are accessible,
comprehensive filtering,
custom report generator

Security
Windows authentication