Server-M	Build Rack	MPORT/SoftWire	MVAP/S	SIMULATE	GUI	Log View	ECU	Assets Management

■ Monitoring of multiple M Class PA/GA systems

■ PA/GA System Configuration Management

■ DNV certified for remote monitoring

The state-of-the-art M Class remote monitoring PA/GA 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 comprises:

M-Server

- Bespoke PSC 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 PSC VODEC software
- PA/GA 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

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 PA/GA and it is not possible to make unauthorised 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 the shelf PC platform hardware. Please see technical data for our specific recommendation.

The GUI requires 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 (minimum)	Intel Core i5, 8 GB RAM, 1TB HDD
Software	Windows 7 and above
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