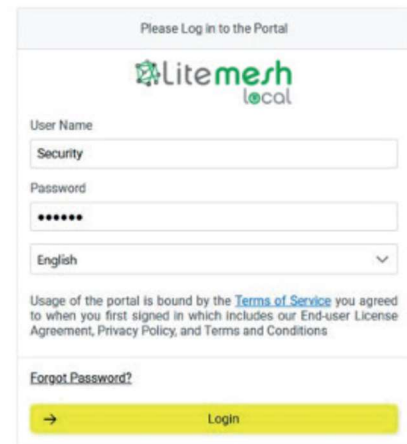


Local wall panel



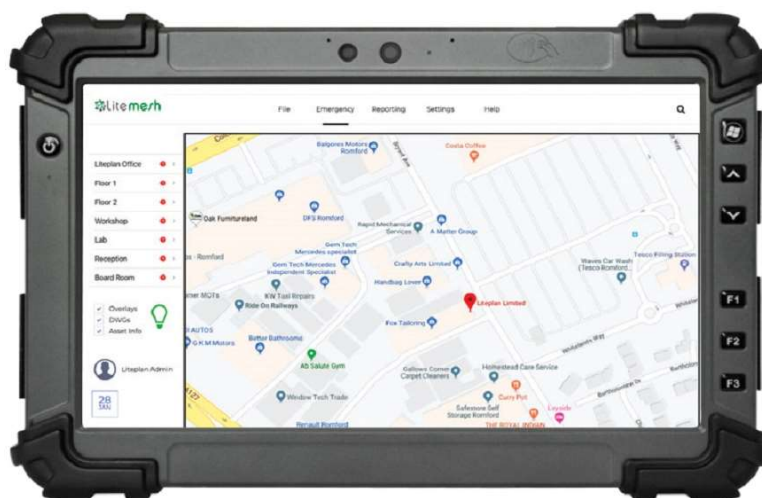
LiteMesh - Local

LiteMesh Local is simple wireless emergency lighting operating system gathering data from DALI compliant emergency lighting control gear. The system creates a secure, robust mesh using IQRF long range mesh technology. The data is displayed on a local user interface touchscreen. This features a simple floor plan layout of each level of the building showing the exact location of each emergency light fitting or exit sign. Any issues are displayed in a simple graphical format. As the DALI control gear carries out its function test monthly and duration test on an annual basis, compliance reports are generated by the user interface. These reports are held securely for a five-year period and can be accessed and downloaded at any time. In addition to this, real time fault reporting is also generated, indicating what part requires replacement and its exact location, allowing for a fix first time resolution. One of the main features of the system is the installer led commissioning tool. This strong, contractor friendly tablet, features our LiteWork software that allows the scheme to be commissioned in a fraction of the time of traditional emergency lighting monitoring systems. Each emergency light fitting or exit sign is placed onto the pre-installed floorplan as its operator navigates their way around the building. Once this plot has been completed, the information is automatically sent directly to the user interface to become the final working layout of the touchscreen. Grouping and scheduling of emergency lighting tests is handled via commissioning tool, so no two adjacent fittings will test at the same time allowing for maximum emergency lighting coverage.



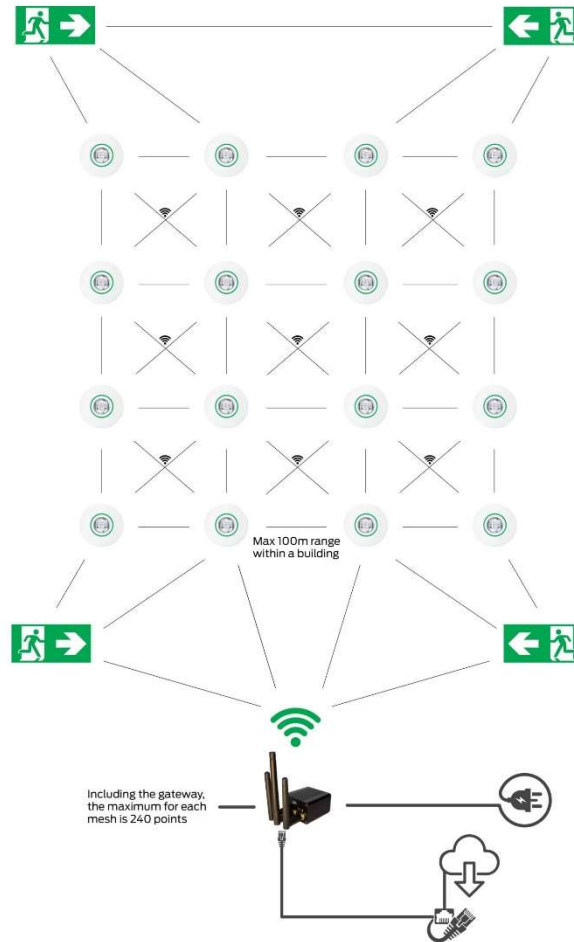
LiteMesh - Cloud

LiteMesh® is wireless emergency lighting operating system gathering data from DALI compliant emergency lighting control gear. The system creates a secure, robust mesh using IQRF long range mesh technology. The data is sent via the cloud to a browser-based user interface portal. This portal features a simple floor plan layout of each level of the building showing the exact location of each emergency light fitting or exit sign. Being cloud based, LiteMesh is perfect for multi-building schemes that can be managed on one holistic platform. As the DALI control gear carries out its function test monthly and duration test on an annual basis, compliance reports are generated through the portal. These reports can be sent to various individuals but are also securely held for a five-year period. In addition to this, real time fault reporting is also generated, indicating what part requires replacement and its exact location, allowing for a fix first time resolution. One of the main features of the system is the installer led commissioning tool. This strong, contractor friendly tablet, features our amazing LiteWork® software that allows the scheme to be commissioned in a fraction of the time of traditional emergency lighting monitoring systems. Each emergency light fitting or exit sign is placed onto the pre-installed floorplan as its operator navigates their way around the building. Once this plot has been completed, the information is automatically sent directly to the portal via the cloud. Grouping and scheduling of emergency lighting tests is handled via the portal user, minimising time spent on site. As LiteMesh® operates with the IQRF wireless protocol, the system can also incorporate other IQRF Alliance members' product. For example, if one needed to monitor temperature, air quality, footfall, drain levels etc. there will be Alliance members who are experts in those respective fields that will be able to help. This can be the beginning of the journey into a complete holistic smart building.



Programming Tablet

Schematic Diagram



LiteMesh Components



Gateway



Node