



Ephesus AirMesh Hub

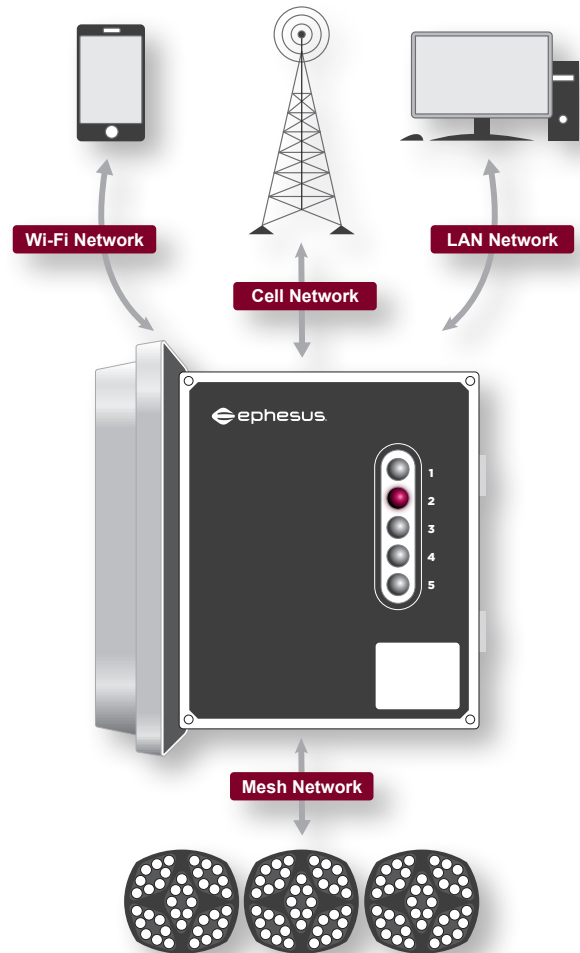
Control and monitor Ephesus LED lights via a secure network, an ideal solution for facilities that may not have access to the outside world via an internet connection.



The **AirMesh Hub** is a key component of the entire LED lighting system. It can switch lights off or on, or dim them to a specified level. Zones can be established so that lights in a particular area can be controlled separately from others. The system stores power data, behaviors, alarms and critical events locally for maintenance and troubleshooting.

Features & Benefits

- The Hub can be installed anywhere you need wireless, push-button control, such as in fieldhouses, controlrooms or on poles
- Five-button, pre-programmed switch provides easy control of all lights at specified dimming levels (0%,25%, 50%, 75%, 100%)
- Hub can communicate via LAN connection, wi-fi, or through a cellular network*
- Weather-protected for outdoor venues
- Includes internal surge protection
- Enables optional dynamic scenes



POWER

90-150VAC
8W max, 6kV
surge protection



OPERATING PARAMETERS

-20°C to 55°C
IP65



RADIO

2.4GHz 82.15.4
Wi-Fi 2.4 Ghz
802.11 b/g/n



PHYSICAL

25lbs.
13.5" L X 15.5" W
7.7" H



CERTIFICATIONS

FCC/IC



ENCLOSURE

NEMA 4X, molded fiberglass, with internal gasket and stainless steel latches, with ability to lock

AirMesh Function	Description
Maximum number of lights controlled by hub	Up to 1000
Maximum distance of fixture from location of hub	500 feet
Maximum allowable distance from one fixture to next	500 feet
Maximum number of programmable pre-set scenes	25 (5 per button)
individual light control	Yes, preprogrammed via 5-button hub. Additional scenes and light control obtained via Wi-Fi connection with hub
Health monitoring	Real-time monitoring of lighting status at the fixture and system level, outage notifications, storage of power consumption, temperature and other system parameters which can be retrieved for later analysis*
Remote Connectivity	Web interface can be accessed by direct Wi-Fi connection or through internet via Ethernet or built-in cellular*
Alerts	Email alerts available when connected to internet via Ethernet or built-in cellular*
Users	User and administrative accounts with multiple permission levels available
Sensors	Voltage-sourcing sensors can be added to the system to turn lights on/off with daylight or occupancy sensors. Multiple output levels in response to light sensors (daylight harvesting)
Map View	Ability to view light state (on/off/alarm) in graphical map/satellite view
Scheduling	Ability to schedule recurring events at fixed times or based on astronomical clock
Compatibility	Ability to add control modules to existing lighting fixtures to add Air-Mesh functionality to entire facility