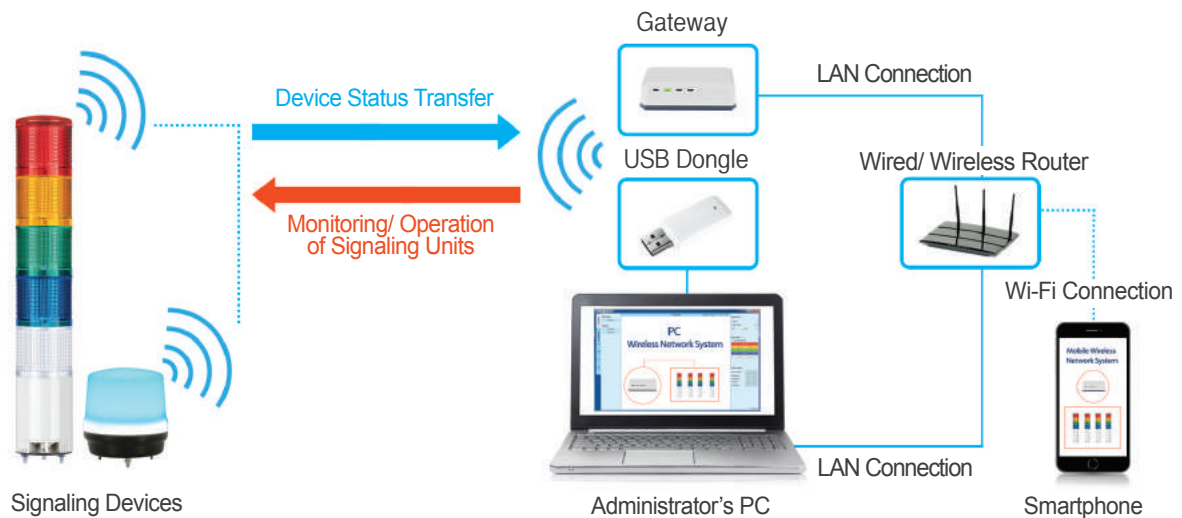


Wireless Network System Features

Wireless network system uses wireless network to remotely monitor and control the operation status of a signaling device through a PC or smartphone. By applying wireless communication between production equipment, users can build an advanced production system.



- Uses a Mesh Topology that operates in 2.4 GHz short-range wireless technology which ensures the communication reliability in harsh environments
- Multi-hop function of the signaling device enables stable long-distance communication (with up to 100M between devices)
- Conform to International Standard IEEE802.15.4g

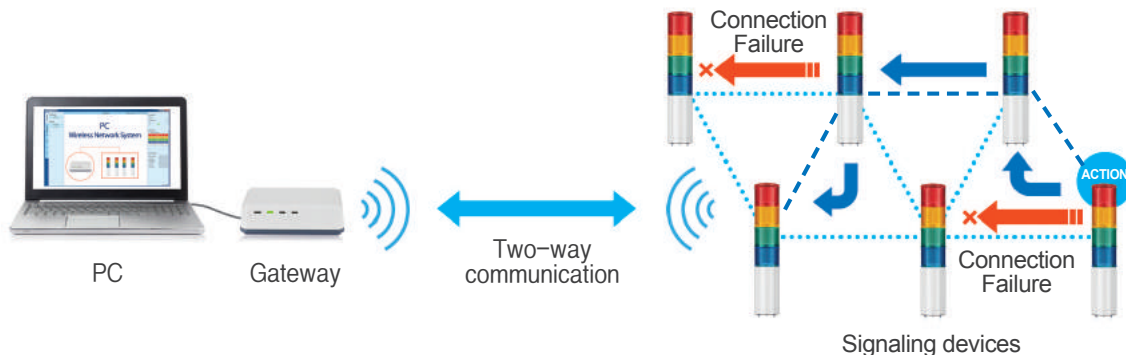
• What is ZigBee?

ZigBee is a representative technology for low-power, low-cost wireless sensor network and has standardized the top layer Protocol and Application based on the IEEE 802.15.4 working group and PHY / MAC layer in 2003. IEEE802.15.1(Bluetooth), IEEE802.15.3(UWB), IEEE802.15.4(ZigBee) are the most common standards for Wireless Personal Area Network(WPAN). ZigBee uses three types of frequency bands: 2.4GHz, 868MHz, and 915MHz, with transmission rates of 250kbps, 20kbps, and 40kbps. Qlight network products uses 2.4GHz frequency band which has the fastest transmission speed.

Wireless Network System Application

◆ Routing function that automatically navigates the optimum communication path

- Mesh network selects the strongest signal path for traffic and automatically steers signals around interference to ensure high availability of mesh links.



◆ Building an advanced production network system with a low cost

- Combining a new network system to existing production lines can be easily done by connecting wireless signal devices.
- Cost-effective by requiring no additional cable when change the layout of production lines .

