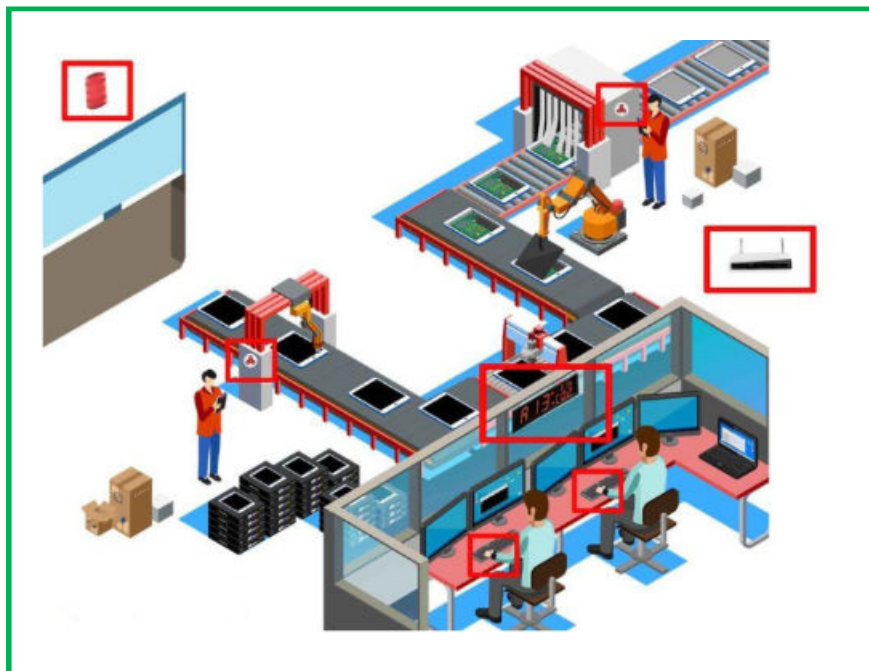


Smart Factory Products



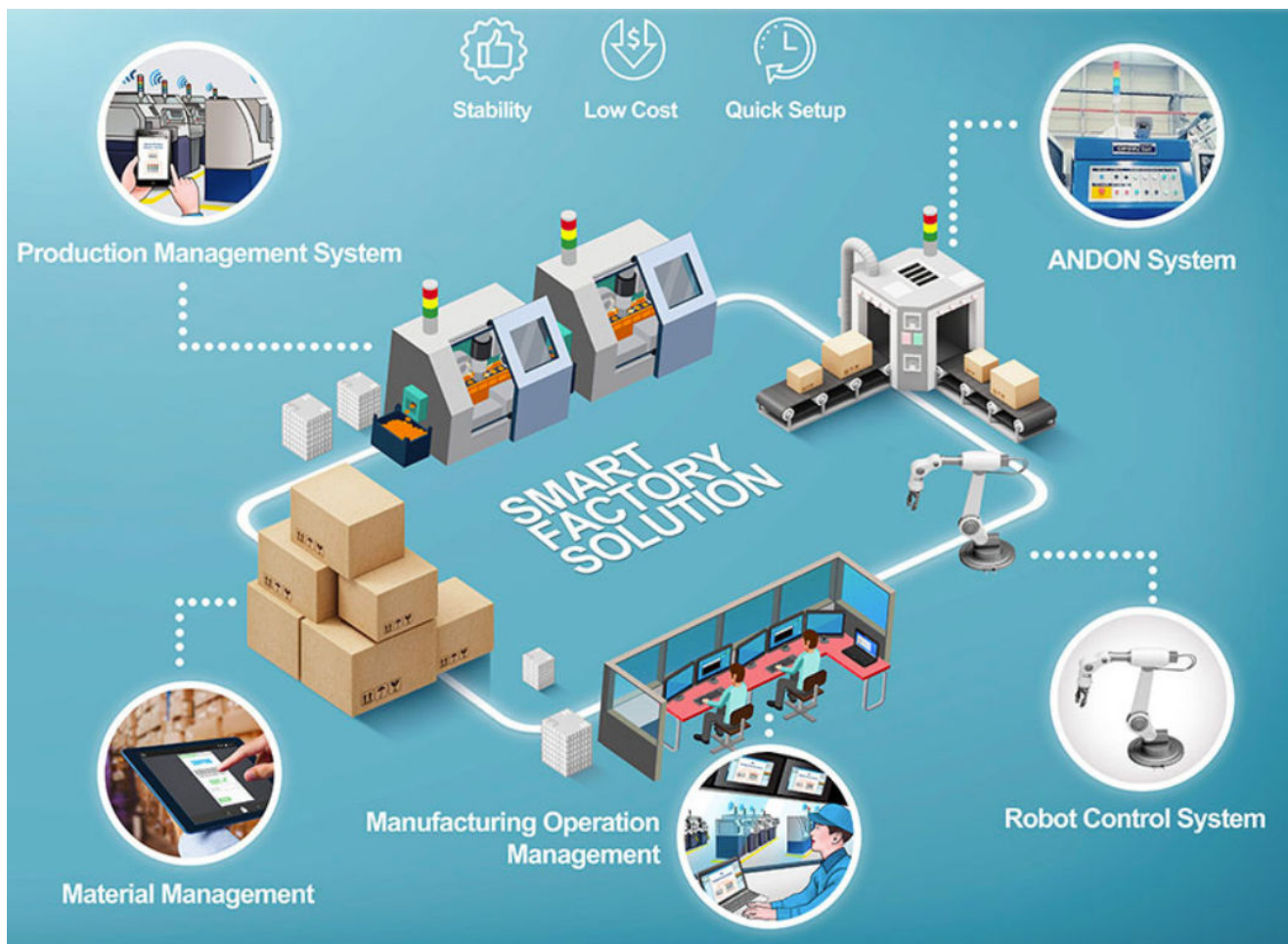
- ❖ Wireless Controlled Products
- ❖ USB Controlled Products
- ❖ Ethernet Controlled Products
- ❖ CAN Protocol Controlled Products
- ❖ RS485 Protocol Controlled Products

SMART Factory Introduction

SMART factories represent the next evolution in manufacturing, combining advanced technology and automation to optimize production processes. These factories rely on sophisticated data acquisition systems that allow for real-time monitoring and the management of operations, enhancing efficiency and reducing downtime. Through the use of wireless networks, businesses can deploy cost-effective solutions that enable rapid setups, including flexible relocation of production equipment, thus eliminating the need for cumbersome telecommunication cables.

The systems utilized in smart factories, such as USB, Ethernet, and CAN protocol-controlled devices, offer versatile control options. These systems provide seamless interaction with products via a PC or smartphone, and can be tailored to suit specific production environments. For example, LED tower lights can be controlled remotely through various interfaces, providing clear visual alerts that help manage operations. Similarly, wireless monitoring of older machinery and real-time response capabilities are key features that improve overall facility management.

In addition to operational monitoring, SMART factories are equipped to forecast parts shortages and manage machine productivity, ensuring smooth workflow. These technologies are particularly useful in environments where continuous data collection and quick responses are critical, such as in fire control rooms or call centers. Through these intelligent systems, manufacturers are able to enhance performance, reduce the risk of machine failure, and make data-driven decisions that contribute to long-term success.



Smart Factory Products

Smart Factory Products will enable you to build a production monitoring management system quickly and efficiently.

In the modern era of communication, rapid deployment of information is an important aspect of improving efficiency in most enterprises. Therefore, making use of the latest high efficiency wireless links to reduce installation costs allows for greater flexibility in positioning and convenience of use. Adding IOT and internet access where appropriate is also an important factor.

Smart Factory Product Application Examples:

- Line progression management through data acquisition analysis
- Wireless monitoring of old machinery
- Remote facility monitoring
- Parts shortage forecasting through an automated ordering system
- Machine productivity and failure rate management
- Use cases where real-time response and data collection monitoring are required (i.e. Fire control room, call center, etc.)

Example of a Production Error:

Problem: Monitor production line in a small single factory for bottlenecks and notify operations team.

Solution: Implement one of the four Smart Factory Controlled Products for advanced production rediness:

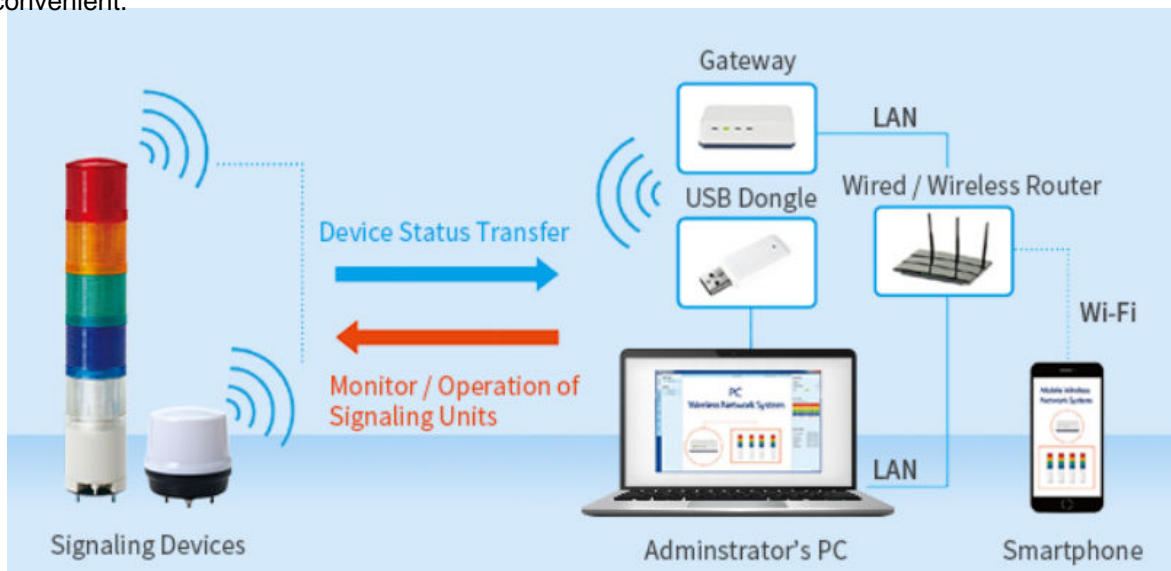
- Wireless Controlled Product
- USB Controlled Product
- Ethernet Controlled Product
- CAN Protocol Controlled Product
- RS485 Protocol Controlled Product

Any one of these products can be used through a program on a PC or smartphone. They can also be modified to suite custom production systems by using the developer DLL provided within the product.

*Mimic stock a wide range of modular Tower Lights in different colours & sizes with mounting options & brackets.
For more information call our sales team on JHB (0)11-689-5700 or Cape Branch (021) 551-8185*

1. Wireless Network System

The wireless network system allows for cost effective rapid deployment. The system controls and monitors the wireless signalling devices through a PC or a smartphone. Since the wireless network system does not require a telecommunication cable, monitoring system build up and production equipment relocation becomes convenient.



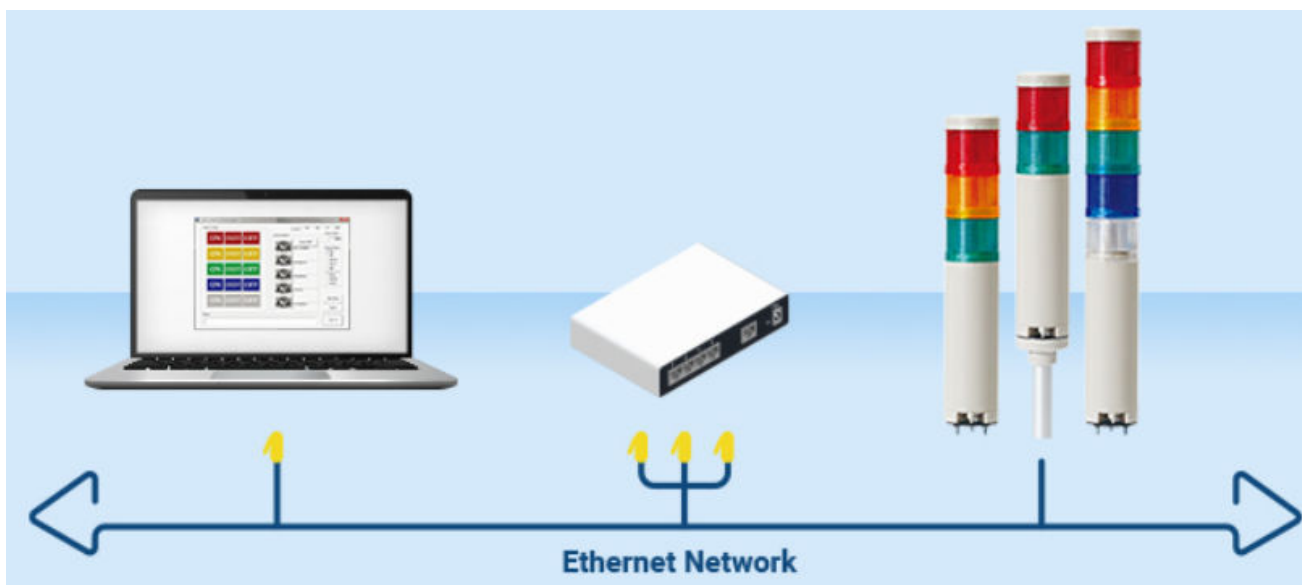
2. USB Controlled Product

The LED tower light is controlled via a USB protocol. It does not require an additional power supply and supports USB 1.1 or a higher version. Users can use same-branded Qlight products with either the Qlight software or through programming using DLL.



3. Ethernet Controlled Product

This product is a LED Tower Light that is controlled by a PC application and connected to a network via PC and Ethernet interface. It supports remote control by application software for which Developer's DLL is provided. It also supports TCP/IP protocol. PC test application is provided for free.



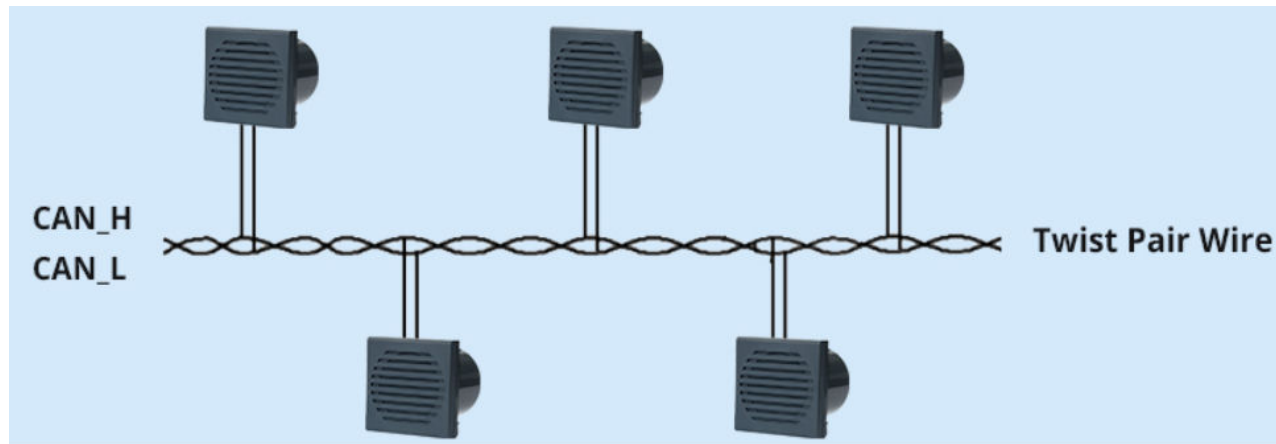
4. CAN Protocol Controlled Product

Customers can use the products built-in memory (128MB) to save 255 MP3 Files. MP3 files can be easily transferred via USB interface. Sound level can be controlled by an external volume controller and software which can be adjusted to a max. 28 levels.

Up-to 63 units of CAN products can be controlled together.

Communication distance is 1km.

Four communication speeds are available: 125Kbps, 250Kbps, 500Kbps, and 1Mbps.



4. RS485 Protocol Controlled Product

(see Datasheet for Controlled product CPK-RS485 page xxxxxxx)



The future is Now. Get Smart Factory ready with easy-to-use QLight software or use DLL programming.