ONEREACH™

Simplify data and power connections

- Security and WiFi access are ever-growing concerns, especially in public transportation facilities such as airports and metro stations, as well as industrial facilities
- Many security cameras and wireless access points are located in remote or hard-to-reach areas, which presents a challenge in terms of data and power connectivity.
- OneReach is a PoE extender system that combines copper conductors with optical fiber for long-distance gigabit transmission, extending PoE and PoE+ to all new distances.

ONE RUN + ONE PULL = ONEREACH

As new technology becomes available and security gets more scrutiny, many airports, metro stations, and other industrial facilities are updating their systems. This can include the installation of emergency blue light phones, as well as IP cameras and wireless access points.

The OneReach PoE (Power over Ethernet) extender system can provide both the power and data required for IP devices at distances up to 3,600 ft/1,100 m from the equipment room. A more traditional PoE approach would require mid-span equipment to be located within 100 m (330 ft) of the phones, cameras, or other IP devices. Additionally, alternative solutions could also require a new electrical power cable run and electrical outlet to be installed close to the powered device (PD). If these critical emergency system components are run with local power, redundancy needs to be considered as well so that a power outage does not bring down the emergency call system, WiFi, or security cameras.

The OneReach solution simply needs one length of composite fiber/copper cable to be run to each remote device then a patch cord to the PD. The composite cable includes everything needed for data transmission (fiber connection) and for powering the device (copper connection). With all power coming from the equipment room, having UPS back-up is easy, required in only one central location to protect all remote sites.

The OneReach PoE Extender Solution provides extended distance connectivity to any IEEE 802.3bt device. The cabling is standards compliant and provides cost savings through simple installation, elimination of separate electrical power cabling, and consolidation of back-up power supplies. To determine a bill of materials for your project, please visit www.onereachsystem.com.

ONE RUN.
ONE PULL.
ONEREACH.

Application:

Emergency phones, security cameras, wireless access points, and other PoE devices.

Challenge:

Extending PoE cost-effectively beyond 100 meters.

Solution:

The OneReach system provides PoE to devices up to 3,600 ft away, allowing for back-up power at the head end and just one length of cable to be pulled to each locaton.

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