Using POE to power Visiplex devices

What is Power over Ethernet (POE)?

Power over Ethernet (POE) is a technology that allows network cables to carry electrical power. When an AC outlet is not available, or too costly to install, a POE splitter can replace the AC adapter to provide power to a Visiplex device.

Why use POE?

Using POE brings many advantages to an installation:

Time and cost savings - by reducing the time and expense of having electrical power cabling or/and AC outlets installed. Network cables do not require a qualified electrician to fit them, and can be located anywhere.

Flexibility - without being tethered to an electrical outlet, Visiplex devices such as wireless speakers, intercoms, message boards, beacon lights and more, can be located wherever they are needed most and repositioned easily if required.

Safety - POE delivery is intelligent, and can protect Visiplex devices from overload, underpowering, or incorrect installation.

Reliability - POE power comes from a central source, rather than a collection of distributed wall adapters. It can be backed-up by one central uninterruptible power supply to provide power to Visiplex devices during a power outage.

How to obtain POE power?

Network switch with POE – Many modern network switches come with built-in POE ports. Simply connecting (using standard CAT-5, CAT-6 or CAT-7 cable) one of these ports to a Visiplex device equipped with a POE splitter is all that is needed.

POE Injectors – Visiplex products communicate wirelessly and local network connectivity is not required, meaning that the preferred way to provide power over cable is using a POE injector. Using its AC power supply, a POE injector can drive up to 8 independent Visiplex devices, located in different location. The maximum CAT-5, CAT-6 or CAT-7 cable length between the POE injector and each powered Visiplex device is approximately 300'.

POE Wiring Diagram