

Power over Ethernet (POE) in Synel

**Synel now offers another technologically advanced communication solution to eliminate complicated infrastructure setup.
No separate cabling for power and communication!**

What is Synel's POE?

Synel is now supporting Power over Ethernet (POE) technology, which describes the system that transmits electrical power, along with data, to remote devices over standard network cable in an Ethernet network instead of electrical cables.

This technology is useful for powering registration points, access points, webcams, Ethernet hubs and other appliances where it would be inconvenient or infeasible to supply power separately

Hub or Switch puts power into the cable and a POE power splitter draws power from the cable. The two devices actually deliver POE according to the safe standard IEEE 802.3af

This technologically advanced solution is another step in Synel's constant expansion of the variety of solutions offered in an effort to reduce the need for complicated infrastructure and comply with the ever growing worldwide requirements and standards.

Other technologically advanced communication solutions developed and implemented by Synel include Bluetooth and Wi-Fi wireless communications.

Advantages

- No need for extra separate cable runs
- Lower voltage (increased safety)
- Greatly reduces installation costs and complexity
- No need to supply mains spur for each reader only mains socket where the injector is (one mains socket per one injector).
- A known worldwide standard

Main features according to IEEE 802.3af standard

- Operating power: 48 VdC
- Maximum voltage: 12 Watt
- Method for identifying customer: transmission of 2 pulses of 100ns in the data lines and identification of 25Kohm resistance
- Protection against opposite polarity

Terminals supported:

SY-760, SY-780/A, SY-400/A

