

Price Checker Power-Over-Ethernet (PoE)

The alternative for powering the Price checker through an external PSU (adapter), is using the Power-Over-Ethernet (PoE) version of the Price checker. In this way the Price checker gets its DC power directly from the Ethernet and you don't need to install a (230/110VAC) mains socket anymore somewhere in the middle of the store. In this way you save a lot of installation costs!

This Price checker version complies with the official standard: IEEE 802.3af.

For your information: PoE uses either the 4 Ethernet data lines (pin 1,2,3,6), called End-Span, or the unused Ethernet lines (pin 4,5,7,8), called Mid-Span, to transport the 48VDC voltage to the Price checker terminal. Which method is used, depends on the supplying powered network switch (hub). The Price checker supports both methods automatically.

See also Appendix A in the Price checker User's Manual concerning the cabling. The standard CAT5 network cable (8 pin, fully wired) can be used, with the regular maximum length of 100 meter.

Towards the host-side this means that you need a hub/router, supporting the Power-Over-Ethernet (PoE) feature complying with the official standard for this: IEEE 802.3af. Here, internally at company, we are using the Netgear ProSafe Switch/Hub Model FS108p to do our validation tests. If you are using just a couple of Price checker 's per store, you may want to take a look at the 3COM Power Injector type PW130.

To avoid any mis-communication in this area: we does not supply network components like power injectors, network cabling or powered hubs.

When we ship the first Price checker's PoE in the initial phase of a project, this is in most cases for demo- or evaluation purposes. Therefore we DO include the standard Price checker PSU. This is done 'just to be sure' and to give our customers the possibility to at least turn the Price checker on, independent from any powered hub, for instance for Price checker configuration purposes. Of course, for the real installation in the store (roll-out), with the Price checker connected to a hub with Power-Over-Ethernet IEEE 802.3af, you do not need the mains PSU (adapter). In case a project roll-out starts, we will not include the mains PSU anymore.

Physically (i.e. inside the Price checker) it means that we place a special PoE board to support the PoE feature.

See for all kind of info: [http:// www.poweroverethernet.com](http://www.poweroverethernet.com)