For Immediate Release

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Everything over one cable: Controlling and measuring with Ethernet

Stukenbrock, June 07th 2013 - Controlling motors and reading out sensors is now also possible over the local network (LAN). With the new „Ethernet Extension" from Tinkerforge it is possible to control motors, read out sensors and simultaneously powerer them over Ethernet. The controlling can be done from every (embedded-)PC, tablet or smart phone.

The modular system of building blocks from Tinkerforge consists of sensors and motor controllers that can be plugged together and controlled by an (embedded) PC, tablet or smart phone. It is possible to program the modules with an intuitive and easy-to-use API by programming languages such as C, C++, C#, Delphi, Java, PHP, Python, Ruby or .NET languages. Also a direct control over TCP/IP is possible. The modules can be interconnected over Wi-Fi, USB, RS485 (Modbus) and now also over Ethernet.

The building blocks were awarded the „CHIP AWARD for Product of the Year 2012".

Nowadays Ethernet is established in industry and in home applications. It is a fast, reliable and easy to use solution to interconnect devices. With the Ethernet Extension it is possible to integrate the modules from Tinkerforge directly in a LAN. Devices that are connected to the same network can control the modules. These devices can be workstations, servers, embedded-PCs as well as tablets or smart phones. They only need access to the network.

The connected modules can be powered via Power-over-Ethernet (PoE). The Ethernet Extension is conform in regards to the IEEE 802.3af standard (PD Class 0) and it has an integrated power supply.

For a programmer the Ethernet Extension (as all other Extensions from the tinkerforge building blocks) is transparent, i.e. the topology of the assembled system must not be considered. The modules can be programmed as if they were directly connected to the controlling device.

With an appropriate port forwarding, the Tinkerforge modules can also be controlled from outside of the local LAN. This allows applications in the domain of the „Internet of Things".

The Ethernet Extension is available for the introductory price of 49.99€ in the Tinkerforge shop (http://www.tinkerforge.com/en/shop).

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