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# For Immediate Release

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**Contact:** Tinkerforge GmbH  
Römerstr. 18  
33758 Stukenbrock  
Germany

info@tinkerforge.com  
<http://twitter.com/tinkerforge>  
<http://facebook.com/tinkerforge42>

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## RED Brick: The simple way of system design

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Stukenbrock, Germany - December 12th 2014 - Tinkerforge GmbH today unveiled the „RED Brick“, an open source, 4cm×4cm sized, module, which enables people to realize their ideas by controlling other things in the most easiest way.

„We are very proud to release the RED Brick“, said Olaf Lüke, cofounder of Tinkerforge. „From our perspective the RED Brick is the next logical step on how interactive systems are developed. We want to make it easier, such that anyone, who has a little programming knowledge, can realize his own projects, for example in applications like home automation, robotics or control systems.“

The RED Brick is equipped with a powerful 1GHz processor, 512MB DDR3 RAM, USB Host, micro HDMI and a micro SD Card slot and can be extended by other modules of the Tinkerforge building block system. This system consists of different sensor-, actor- and motor-control blocks that can be plugged together and controlled by an (embedded) PC, tablet, smart phone or by the new RED Brick. This modularity allow people to build up their custom hardware simply by combining the necessary blocks.

It is possible to control the blocks with an intuitive and easy-to-use API by programming languages such as C, C++, C#, Delphi/Lazarus, Java, JavaScript, LabVIEW, Mathematica, MATLAB/Octave, Perl, PHP, Python, Ruby, Shell, and .NET languages. Also a direct control over TCP/IP is possible.

The RED Brick operating system is based on Debian, but Linux knowledge is not required to use it. For each supported programming language all typical libraries are preinstalled. Typically customer programs are developed on a PC system, tested there and afterwards transfered for execution on the RED Brick. Complete configuration, for example of network interfaces, can be done by the Brick Viewer software. By a mouse click customer programs can be uploaded and their execution can be configured. Even programs with graphical user interface (GUI) are supported and make use of the micro HDMI and USB host connector of the Brick. Power users can make use of the underlying system and can extend the possibilities even further.

The combination of RED Brick and other blocks of the building block system enables embedded programming with never been simplicity.

The RED Brick is available in the Tinkerforge shop (<http://www.tinkerforge.com/en/shop>) for 69.99€ including 19% German VAT (58.82€ without VAT).

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