

# CAN Newsletter Online

RASPBERRY PI

## *Embedded controller for Industry 4.0*

**At the Embedded World, Janz Tec (Germany) introduced the fan-less emPC-A/RPI controller. The Raspberry Pi based module features CAN connectivity and optionally comes with CANopen support.**

THE HOST CONTROLLER IS BASED ON the Raspberry Pi 2 Model B. It provides a 24-V power supply. The housing makes it suitable for embedded control as well as for gateway applications. Besides four USB interfaces and one serial port, the controller features an optical-isolated CAN interface with a real-time clock. Additionally, the CPU provides four digital inputs and four digital outputs. Of course, the product is also equipped with one 10/100-Mbit/s Ethernet port.

The product is available without software or with a Linux (Raspian) operating system. The supplier also offers the programming of application-specific functions. For program storage, an optional  $\mu$ SD card can be used, which is externally accessible.

According to Christoph Mühlenhoff, many visitors were interested in the product, in particular because it features a professional CAN interface with optional CANopen support for a reasonable price. The screw-mountable device weighs 0,4 kg.



*Christoph Mühlenhoff (Janz Tec): "We developed this CPU module within a couple of weeks." (Photo: CAN Newsletter Online)*