

Industrial router no longer requires IPCs

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Regensburg – The current 2.1 version of MoRoS industrial routers from INSYS MICROELECTRONICS allows users to execute their own applications directly on the device. The safe embedded Linux environment (sandbox) makes it possible to start scripts and programs and to collect and process data without compromising the functionality of the router. For example, users can set up data loggers with a web server, protocol converters and a dynamic MoRoS configuration. In many cases, the virtual Linux computer included in the MoRoS 2.1 renders additional IPCs unnecessary.



Figure: The sandbox allows users to execute scripts and programs directly on the MoRoS router. In many cases, industrial PCs are thus no longer required.

A web server, an email client, an SMS client, an RS232 logger, TCP/IP and UDP/IP communication and a shell for creating scripts are already available for the MoRoS 2.1. A sandbox image that allows users to create powerful shell programs and a software development kit for C or C++ programs can be downloaded free of charge at www.insys-tec.de/sandbox. Furthermore, INSYS also provides a sandbox demo image with complete applications, tools and services, which allow for a quick start and the establishment of a fast connection. The image also includes a web server, SSH server and telnet server, a text and script editor, netcat, cURL, various shell tools and a SQL3 database. The sandbox enables access to all MoRoS interfaces: serial interface, Ethernet interface (4 port switch) and, depending on the MoRoS model, WAN interfaces via LAN, GPRS, EDGE, UMTS, PSTN or ISDN.

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