

Linux Sandbox Program Your Own Application



Flexible use, various possibilities and thereby a sophisticated and secure technology. All in one!

Programmable Industry Routers for M2M Applications

Industrial PCs are used in many automation technology applications to take over complementary tasks as well as to enable an optimum collaboration of controls, panels or routers.

INSYS icom industrial routers provide an open Linux sandbox for own programs. Use this possibility to provide own applications and render the additional use of an IPC obsolete.

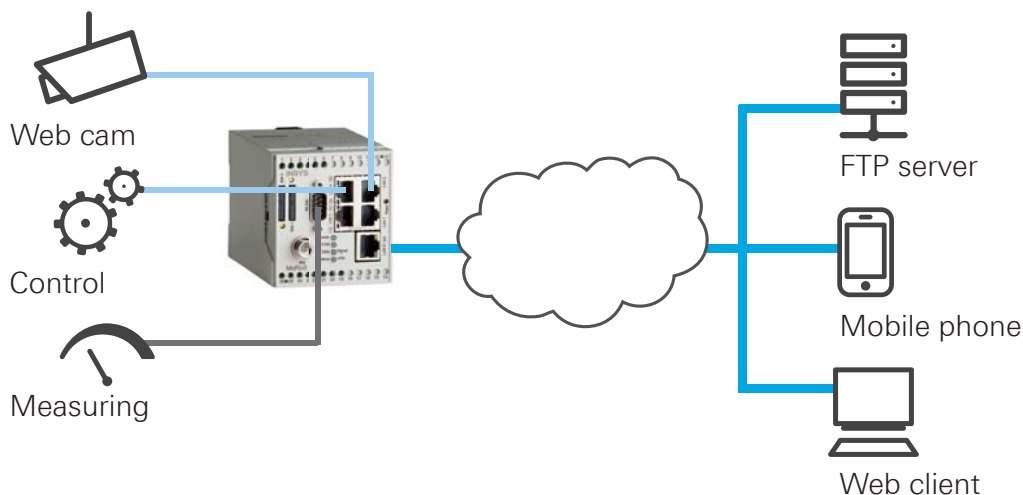
What is the "sandbox"?

- An industrial PC with run capable network installation
- It enables the user to access the integrated embedded Linux system of the INSYS icom Industrial routers
- The functionality of the industrial router remains completely

Infinite Possibilities

Typical applications

- Recording of data from serial and network devices
- Preparation and alarming
- Visualisation via web interface
- Conversion of proprietary protocols to IP standards
- Monitoring of network devices and alarming
- Dynamic generation of SMS and e-mail messages
- Dynamic change of the MoRoS configuration



Operation

- Direct access: command line for Linux (ssh)
- Input and output of the applications via files
- Network connections, serial interface RS232
- Applications as scripts or compiled programs
 - free SDK for Linux PC
- MoRoS configuration via text file
- Distribution via images
 - Demo images available under: www.insys-icom.com/sandbox

Resources

- ARM9 SoC with 32 MB RAM
- TCP/IP and UDP/IP sockets
- Permanent file system
 - 50 MB for programs
 - 100 MB for user data
- Serial interface
- Digital I/Os
- Demo images
 - with Python or JAVA environment
 - with SQLite database
 - with basic SMS/e-mail dispatch

Supported Devices



Industrial router for DIN rail mounting & INSYS SDSL:

- Industrial router with 1/4/5 LAN ports
- Communication via cellular network, telephone network and data networks (LAN, ADSL , SDSL)
- VPN, Firewall



MLR 2G/3G:

- Desktop router with 4 LAN ports
- Communication via cellular network, optionally with GPS or GSM-R
- VPN, Firewall



QLM wireless & QLM-S:

- Integration module
- With HSPA GPRS/EDGE, or SDSL, optional: WLAN
- VPN, Firewall

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Authorised INSYS icom distributor:

Expert for industrial data communication and M2M technology

INSYS icom is the expert for industrial data communication and M2M technology with its well-founded application knowledge and long-time experience. Starting with its establishment in 1992, the company claims well-founded know-how in key industries, excellent quality and

innovative solutions. INSYS icom develops all standard products and customer-specific solutions at the headquarters in Regensburg.

The wide range of INSYS products from the serial modem up to the programmable cellular router meets every communication demand between plants, field units, control centres and service centres. The devices are suitable for virtually every stationary and mobile installation situation with housing variants for DIN rail, desktop and 19" racks as well as embedded modules.



INSYS as engineering partner

Besides its high-quality portfolio of products, INSYS icom is a sought-after project partner for the energy sector and it will deliver the best solution, both technically and financially, from the initial specification through to life cycle support.