

INSYS MoRoS – modem/router/switch: Remote access to Ethernet components in industrial environments

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Regensburg – MoRoS from INSYS MICROELECTRONICS combines modem, router and 4-port-switch functions in a compact DIN rail housing measuring 70 x 110 x 75 mm. MoRoS can communicate via the analog or digital telephone network and via GSM/GPRS. The communication device facilitates the setup of customized, cost-efficient remote maintenance and remote control solutions for several Ethernet compatible components. Up to four network nodes, such as PLCs or HMI systems, can be connected to the integrated switch for remote contact. The nodes can also exchange data among each other. INSYS also offers MoRoS PRO for applications with strict safety requirements: the device features an integrated firewall, which can be easily configured via a web interface, and supports VPN (Virtual Private Network) for protected data exchange.



Figure: MoRoS from INSYS enables remote control of devices which are connected via Ethernet

MoRoS can accept incoming connections and establish outgoing connections (dial-in and dial-out functionality). The router establishes TCP/IP connections via NAT. Static rules can be defined for incoming connection requests (port forwarding). This enables status requests and remote configuration from a control center. If required, a PLC within the local network can establish a connection with a service center in order to send alarms or status reports.