

## INSYS MoRoS: All-in-one solution combines modem, router and switch

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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. The device facilitates the setup of cost-efficient remote maintenance and remote control solutions for network 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. Moreover, MoRoS operates in both directions (dial-in and dial-out functionality). During dial-in, the integrated router forwards incoming data packets to the appropriate address in the local network after the connection is established via phone call. This function is for example useful for status requests or configuration sessions. Dial-out means that the router forwards IP packages to external addresses via analog or ISDN lines, thereby enabling e.g. PLCs to establish a connection with a service center in case of a malfunction. Additionally, status reports can be sent on a regular basis. MoRoS units are available with an integrated analog modem for worldwide use, or with an ISDN TA. Thanks to an integrated web interface, any standard browser can be used for installation and configuration. A password prevents unauthorized access.



**Figure:** INSYS MoRoS enables remote control of machines which are connected via Ethernet