

## WLAN technology from INSYS for industrial applications

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Regensburg – INSYS MICROELECTRONIC has redesigned its series of WLAN devices which enable wireless data transfer in all industrial environments. WLAN technology is employed where data cables are impossible or uneconomical to install. Typical applications include automated guided vehicles, inaccessible control systems or the monitoring of remote measuring systems. INSYS provides two WLAN devices with different connection options, each measuring 55 x 110 x 75 mm.



**Figure:** INSYS WLAN serial / INSYS WLAN bridge

Via its RS232 interface, the INSYS WLAN serial enables wireless network integration of external serial devices. The INSYS WLAN bridge allows users to access remote network segments or individual Ethernet devices via its Ethernet interface. Both types can establish WLAN connections with access points (infrastructure mode) and in adhoc networks. Radio connectivity is ensured by one or two antennas featuring a reverse SMA connector. With transfer rates up to 54 Mbit/s, the WLAN interface complies with the IEEE 802.11 b/g industry standard. Data transfer is protected by WEP or WPA encryption. Both devices support TCP/IP, UDP/IP, ARP, ICMP and DHCP and can be configured locally or via WLAN: INSYS WLAN serial is controlled via AT commands or via the user-friendly configuration software HSComm, and INSYS WLAN bridge features a web interface. Both units have two digital inputs and potential-free, remote-accessible switching relays. Moreover, two INSYS WLAN serial devices can be coupled, ena-

bling the transparent transfer of digital switching states. Data communication for the INSYS WLAN serial gateway requires a virtual Windows COM port driver which is included in delivery.