

# INSYS WLAN serial / WLAN bridge

Transfermode system	Design			
	DIN rail	Embedded module	Desktop device	MoRoS
3G/UMTS	●	●		●
2G/GSM	●	●		●
Ethernet	●	●		●
WLAN	●	●		
Bluetooth		●		
Modem	●	●	●	●
ISDN	●	●	●	●

INSYS WLAN series provide a wireless connection in a local area network (LAN) or to other WLAN devices.

INSYS WLAN serial and WLAN bridge are data communication devices for industrial applications on DIN rail for use in the cabinet. They transfer data in the wireless LAN according to standard IEEE 802.11b/g with up to 54 Mbit/s.

WLAN connections are established to access points (infrastructure mode) as well as adhoc networks. The radio network is accessed by a main antenna. Antenna connectors are reverse SMA.

The radio connection is secured by WEP or WPA.



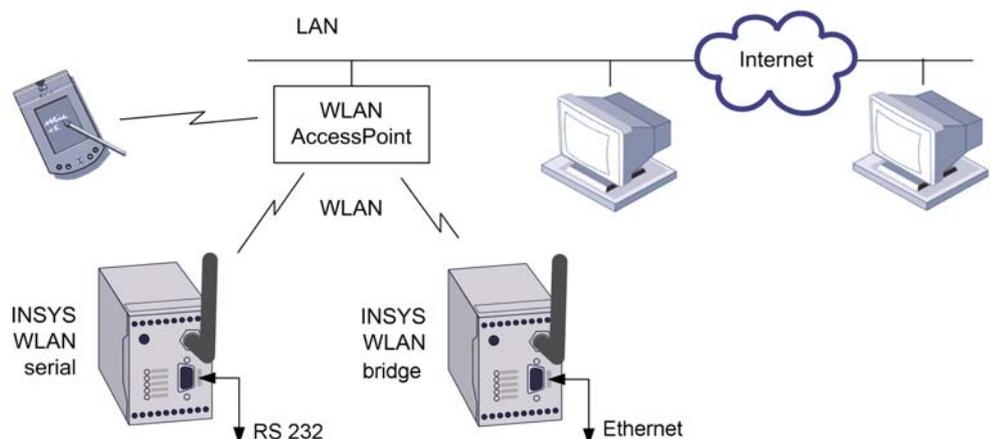
## INSYS WLAN serial / WLAN bridge:

- connections to access point or adhoc
- secured by WEP and WPA
- interface: RS232 or Ethernet
- standard: IEEE 801.11b/g
- digital IOs

## Application fields:

- Wireless access to PLCs
- Data connection to mobile or non-accessible plant components and in aggressive environment
- Transport / logistic
- Building technology

## Application example:



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# INSYS WLAN serial / WLAN bridge

## Technical Data

	INSYS WLAN serial	INSYS WLAN bridge
<b>Function</b>	serial-WLAN-Gateway	Ethernet-WLAN-Bridge
<b>Specification</b>	Developped according to CE derectives, manufactured according to ISO 9002	
WLAN-interface		
Standard	WLAN IEEE 802.11b/g	
Data transmission rate	up to 54 Mbit/s	
Mode	Infrastructure (to AccessPoints) and Adhoc	
Antenna	2 reverse SMA-connectors for up to 2 antennas (diversity)	
<b>Wired interface</b>		
Mechanical	RS232 (D-SUB-9 Buchse)	RJ-45 Buchse
Functional	asynchronouns serial V.24/RS232, RS485 adapter driver	Ethernet 10base-T
Speed	300 – 115.200 bit/s	10 Mbit/s
Data format	8N1, 8E1, 8O1, 8N2, 7E1, 7O1, 7N2, 7E2, 7O2	
Flow control	Hardware (RTS/CTS) or none	
<b>Protocols</b>	ARP, ICMP, TCP/IP, UDP/IP, DHCP, DNS	ARP, ICMP, TCP/IP, UDP/IP, HTTP, DHCP
<b>Configuration</b>	local and remote: AT-command, configuration software HSComm, Telnet	local and remote: Web interface
<b>Additional features</b>		
Firmware-Update	Flash (local and remote)	
Virtual ComPort-driver	available free of charge	
Security	WPA/PSK, 64/128-Bit WEP, User/Password for remote configuration	
IO	2 control input and 2 galvanic insulated outputs, input transmission	
<b>Supply</b>		
Voltage	10...60V DC	
Consumption	ca. 3 W	
<b>Physical features</b>		
Size (w×l×h)	55×110×75 mm	
Temperature	0°...+55°C	
Humidity	0 ...95% (non condensing)	

Product name	Features	Order number
INSYS WLAN serial 2.1	serial gateway	11-02-01-06-02.
INSYS WLAN bridge 2.1	bridge	11-02-01-06-03.

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