

## WLAN-Clientadapter / 2x Ethernet / USB

HG 76342-A

### The WLAN-Clientadapter for 802.11 a/b/g

The WLAN-Clientadapter is used for operation in 54 Mbit wireless networks according to the 802.11a(h)/b/g standard. The application of a 32-bit micro controller improves the performance of the transmission rate substantially.

In addition to the standard encryption WEP64/128 further security measures according to 802.11i standard (WPA(2), AES, TKIP) are available.



### Connection of 2 Serial Devices (RS 232) + 2 LAN to a WLAN

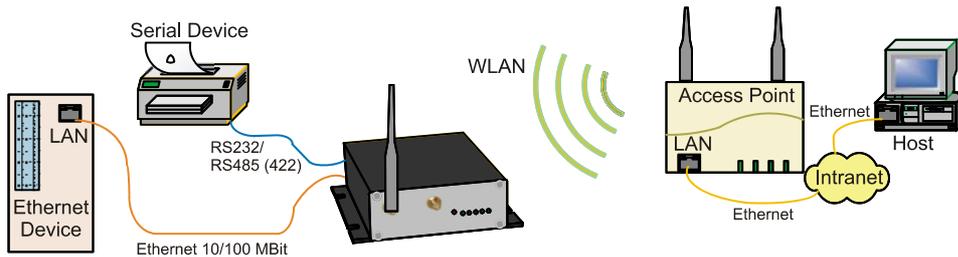
- No modification of hard- or software required
- Transparent, bidirectional transmission with all control lines
- Transmission rate via the serial interface of up to 115 kBit
- Serial port optional as RS 485/422
- 2 LAN ports with 10/100 Mbit Auto MDIX
- 2 port Ethernet switch included

### Perfectly Suitable for Mobile Vehicles as Fork Lift Trucks and AGVs

- Input voltages 10 to 72 VDC, galvanic isolation for battery operation or Power over Ethernet (PoE)
- Current consumption < 5 W, ideal for standby of battery-powered vehicles
- Temperature range 0 to 60° C
- Relay contact – triggered via WLAN for re-activation of vehicles in stand-by mode
- Optional galvanically separated input for triggering a programmable function
- Robust aluminium casing with different options for fixing (strap, mounting rail)
- Voltage supply and relay contact over M12 miniature plugs
- Optional 1 or 2 antenna connectors (diversity)
- Different antenna plugs, RP-SMA (standard), RP-TNC (optional)

## Latest Technology and Superior Usability

- Powerful processor with low current consumption, large memory resources for fast roaming and short authentication periods, run-up period < 10 s
- Configuration and software updates with WEB browser via LAN and WLAN
- Restore default configuration – if the configuration was not recognized as supposed
- Encryption according to WEP with 64/128 Bit + TKIP/AES, as well as 802.11i (WPA(2))
- Authentication according to 802.11i with certificate management (EAP-PEAP, TLS, TTLS, LEAP)
- Data rates up to 54 Mbit/s, 2.4 GHz or 5 GHz frequency band
- Compatible to former Access Points according to 802.11b / 11 Mbits
- USB interface for comfortable firmware updates and the saving of system messages (logging) via USB sticks



Application Example

## Technical Data

- WLAN	2,4 GHz + 5 GHz WLAN according to 802.11 a(h)/b/g, optional 802.11n
- Encryption	WEP, 802.11i WPA(2)-PSK, 802.1x PEAP, LEAP, TLS, TTLS
- Configuration	WEB interface for configuration and firmware update
- Antenna connection	2x RP-SMA antenna plugs RP-TNC plugs optional
- Ethernet	2x LAN port 10-100 MBit Auto MDIX (RJ45 or M12), functioning as ethernet switch
- Serial	1x RS232, 1,2 - 115 kBit/s, RTS, CTS, DSR, DTR, DCD, RI optional 1x RS 422 / RS 485 up to 2 Mbit/s optional 2x serial interfaces
- USB	1x host connector (for memory sticks)
- Relay	optional 1x programmable relay contact (switch)
- Input	optional 1x input (10-24 V via optocoupler)
- Power supply	10 to 72 V DC via 5-pol. M12 miniature plugs or PoE (802.3af) via LAN port 1, galvanically separated
- Current consumption	<5 W
- Temp. range	0 - 60° C
- Dimensions and weight	105 x 125 x 35 mm (basic shape), ca. 400 g
- Casing	Robust aluminium casing with different options for fixing (strap, mounting rail)
- Protection class	IP 20 (optional up to IP54)