Radio Modem

WLAN Radio Modem

The radio modem allows wireless, bi-directional transference of data (transmitting and receiving).

This enables an "on-line" connection to be established with a mobile device. The user of the radio modem can issue instructions (e.g.: recording of goods in stock, sales order processing) and protocol the order handling. The input and output of data takes place according to the programming of a fixed station computer (control center; e. g. PC).

The radio modem is computer- controlled. Customized adaptations for user software, user identification and management of the target group is feasible without any problems.

The radio modem consists of a radio device and a processor. The processor is equipped with the appropriate software, supervising data transference and providing safe data transmission.

Functions

- Radio Modem as Ethernet- and Serial converter for communication in wireless networks (WLAN)

- Application of radio nets according to IEEE 802.11 with data rates of up to 11 Mbit/s

- Communication between PLC or other computers via TCP / IP

- Coupling via serial interfaces with protocol transparent or 3964R (others on request) up to 115200 bit/s

- WEP-codification with 40 or 128 bits

- Stand- by function

- Extensibility by parallel in- and outputs

- Casing with integrated DC/DC converter suitable for industry (10 to 36 V)

- Antenna diversity for reliable transmission in problematical environment

- Configuration via RS 232, Telnet or via radio network with HTML- browser

- Diagnostic- and Maintenance Software

Technical Data

- Casing	Aluminium casing for rail or wall mounting
- Case dimensions	120 x 76 X 51 mm (L x W x H; without antenna)
- Power supply	10 to 36 VDC
- Interfaces	LAN, RS - 232 (for parameterization; cable length < 3 m)
- Radio device	WLAN PC- Card
- Data transfer	Safe radio protocol (WEP) protocol for the system computer, up to 127 participants per channel