Technical data sheet

ComPoint-WLAN-XXR

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WLAN – Device server
to integrate serial terminal equipments in a network

Using the ComPoint-WLAN-XXR you can now integrate two serial terminal equipments in a network by a wireless connection. This device server offers two RS232 or RS485 interfaces, WLAN and Ethernet10/100 and is equipped with all necessary connections. The integrated Wireless LAN offers all necessary protocols such as IEEE802.11b, IEEE802.11g as well as IEEE802.11n (Draft 3.0) to allow you an easy and simple integration. In addition, all necessary and state-of-the-art security functions such as WEP 64/128 Bit, WPA1 and WPA2 Personal have been integrated and hence offer you the highest security standard. The device is equipped with an external antenna and offer max. 150MBps thus there are no limits with regards to its performance. Its flexibility and diversity is completed by the various additional functions and emulations of the AK-NORD TCP/IP-STACK as well as by the robust metal housing.

Technical Data

Dimensions:
100 x 28 x 110 mm (WxHxL)

Temperature range:
-10°C .. + 65°C

Standards:
CE / WEEE / RoHS
EN 55022 Class B
EN 55024 Class A

Power supply:
5 Volt 380 mA

SD-CARD-slot (internal)
Up to 4 GBytes
FAT16

Note
All voltages are switchable to the Pin 9 of the serial interface by using internal jumpers.

RS232

Baud rate:	up to 230Kbaud
DataBits:	7,8
Parity:	Odd,Even,Non Mark,Space
Signal:	TXD, RXD, RTS, CTS, DSR, DTR, DCD,RI, GND

RS485

Baud rate:	up to 230Kbaud
DataBits:	7,8
Parity:	Odd,Even,None Mark,Space
Signals:	TXD, RXD, GND

Ethernet (MDIX)
10 Half Duplex
10 Full Duplex
100 Half Duplex
100 Full Duplex
AutoSensing

WLAN 1T1R

Emulations and functions

- Modem Emulation
- Connect-On-Data
- Auto-Connect
- Tunnel-Mode
- DYNDNS-Client
- FTP-Server
- LPR-Server
- TTL – IO
- 2MB Flashdrive
- Flash-File-System
- SD- und DF-CARD
- E-Mail – Client
- TCP/UDP -Client
- TCP/UDP –Server
- SYSLOG-Client

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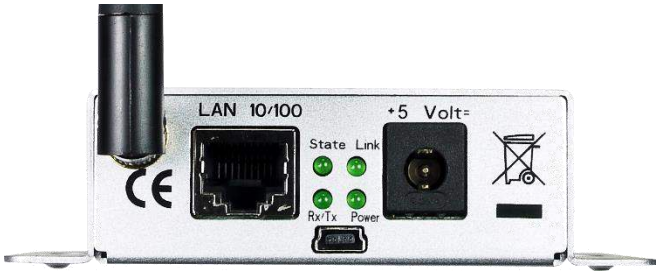
Hardware – Description



Rear side

Supported systems

1. Microsoft Windows 7
2. Microsoft Windows Vista
3. Microsoft Windows 2003
4. Microsoft Windows 2000
5. Microsoft Windows XP
6. Microsoft Windows NT 4.0
7. Microsoft Windows ME
8. Microsoft Windows 98
9. Microsoft W95
10. Linux
11. UNIX

Supported protocols IP-Dual-Stack

1. IPv4
2. TCP
3. UDP
4. FTP
5. TFTP
6. ICMP
7. ARP
8. SNMP
9. LPR
10. DHCP
11. BOOTP
12. DNS
13. TELNET
14. HTML
15. http
16. DYNDNS
17. SMTP
18. POP3
19. SYSLOG
20. IPv6
21. NDP
22. ICMPv6
23. DHCPv6
24. TCPv6
25. UDPv6
26. Netbios-NS
27. LLMNR
28. ZeroConfig
    - APIPA
    - AutoIP
29. IP-Multicast

Management

1. Telnet
2. Browser
3. Serial Interface

WLAN - Specification

Functions:
ADHOC / INFRA – Mode
Fast-Roaming
AutoConnection with Wi-Fi Protected Setup (WPS-PBC)
Hardware WEP, TKIP, AES Engine
WEP 64Bit and 128Bit up to 4 Keys

IEEE802.11b:
1, 2, 5.5, 11Mbps

IEEE802.11g:
6, 9, 12, 24, 36, 48, 54Mbps

IEEE802.11n:
(Draft 3.0) up to 150Mbps
legacy, mixed and green field modes, supports 20/40 MHz band width MCS0- 7 (150Mbps PHY rate support)

IEEE 802.11d:
World Mode (US, CA, EU, JP)

IEEE 802.11e:
Wi-Fi WMM-QoS “Quality of Service”
Wi-Fi WMM-PS "Power Save"

IEEE802.11h:
DFS (Dynamic Frequency Selection)
TPC (Transmission Power Control)

IEEE 802.11i:
WPA1- and WPA2-Personal

IEEE802.11j:
Operation in Japan

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