



# 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

## Hardware – Description



Rear side

## Supported protocols IP-Dual-Stack

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

## 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

## 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