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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





AK-DinRail-XXR



Industrial - WLAN – device server to integrate serial terminals into a network

Using the AK-DinRail-XXR it is possible to integrate **wireless** two serial terminals into a network. This industrial device server with its two **RS232** or **RS485** interfaces **WLAN** and **Ethernet10/100** is equipped with all necessary connections. The integrated Wireless LAN includes all necessary protocols such as **IEEE802.11b**, **IEEE802.11g** as well as **IEEE802.11n** (Draft 3.0), in order to allow you simple and easy integration. Furthermore, all required and modern safety functions such as **WEP 64/128 Bit**, **WPA1** and **WPA2-Personal** are integrated and thus offering the highest safety standard. With an **external antenna** as well as a maximum of **150Mbps** there are no limits in its performance. It can be plugged on each 35mm top hat / DIN rail EN 60715 (50022) and has a width of only 35mm.

Technical data

- **Dimensions:**
35 x 120 mm (WxH)
- **Temperature range:**
-10°C .. + 65°C
- **Standards**
CE / WEEE / RoHS
EN 55022 Class B
EN 55024 Class A
- **System of protection**
IP30
- **Power supply:**
7-32 volts / 2,2 watt
(such as 12 volts = 180mA)
- **Fixture**
35mm top hat / DIN rail
EN 60715 (50022)
- **Connections RS485**
Removable socket terminal strips
included threaded terminal end
Grid 5.08mm
- **Connections RS232**
9Pol Sub-D pin
- **RS232**
Baud rate : up to 230K Baud
DataBits : 7,8
Parity : Odd,Even,None
Mark,Space
Signals : TXD, RXD, RTS,
CTS, DSR, DTR,
DCD,RI, GND
- **RS485**
Baud rate : up to 230K Baud
DataBits : 7,8
Parity : Odd,Even,None
Mark,Space
Signals : TXD, RXD, GND
- **SD CARD slot**
up to 4 GByte
FAT16
PC compatible
- **Ethernet (M-DIX)**
10 Half Duplex
10 Full Duplex
100 Half Duplex
100 Full Duplex
AutoSensing
- **WLAN**
1T1R

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 | 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 | |

WLAN specification

- **Functions**
ADHOC / INFRA – Mode
Fast-Roaming
AutoConnect by Wi-Fi Protected Setup (WPS-PBC)
Hardware **WEP, TKIP, AES** Engine
WEP 64Bit and 128Bit with 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 (automatic channel selection)
TPC (transmitting power adaptation)
- **IEEE 802.11i:** WPA1- and WPA2 personnel
- **IEEE802.11j:** Operation in Japan

Management

1. Telnet
2. Browser
3. serial interface

Emulations and functions

- Modem Emulation
- Connect-On-Data
- Auto-Connect
- Tunnel-Mode
- DYNDNS-Client
- FTP-Server
- LPR-Server
- TTL – IO
- 20KB Flashdrive
- Flash-File-System
- SD- and DF-CARD
- E-Mail – Client
- TCP/UDP -Client
- TCP/UDP –Server
- SYSLOG-Client