Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

AK- RailPort -XXR

IPv6 READY

■ MADE
■ IN
■ GERMANY

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

Using the AK- RailPort -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).

Technical data

- **Dimensions:**
  87 x 62 mm (WxH)

- **Temperature range:**
  -10℃ .. + 65℃

- **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
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

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