



# Technical data sheet

## AK-RailPort-XXL



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## Industrial device server to integrate serial terminals in a network

The AK-RailPort-XXL possesses two serial RS232 or RS485 interfaces. Each interface can be individually set and allows data rates of up to 1.000.000 bauds. Furthermore, it is possible to additionally set emulations, such as modems, Auto-Connect, Connect-On-Data, TCP / UDP - Client with up to 10 parallel connections, TCP/UDP servers, tunnel mode with transfer of signal statuses such as settings, e-mail client including sending and receiving of e-mails. Furthermore, an additional SD card holder is available which allows saving one's own homepage or JAVA – Applets. It can be plugged on each 35mm top hat / DIN rail EN 60715 (50022).

### Views



### 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

### 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- und DF-CARD
- E-Mail – Client
- TCP/UDP -Client
- TCP/UDP –Server
- SYSLOG-Client

## Technical Data

### Dimensions:

87 x 62 mm (WxH)

### Temperature range:

-40°C .. + 70°C

### Standards

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

### System of protection

IP30

### Power supply:

7-32 volts / 0,96 watt  
(such as 12 volts = 80mA)

### Fixture

35mm top hat / DIN rail  
EN 60715 (50022)

### Connections RS485

2 x Removable socket terminal  
strips included threaded  
terminal end  
Grid 5.08mm

### Connections RS232

2 x 9 pole Sub-D pin

### RS232

Baud rate: up to 1MBaud  
DataBits: 7,8  
Parity: Odd,Even,None  
Mark,Space  
Signals: TXD, RXD, RTS,  
CTS, DSR, DTR,  
DCD,RI, GND

### RS485

Baud rate: up to 1MBaud  
DataBits: 7,8  
Parity: Odd,Even,None  
Mark,Space  
Signals: XD, 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

## 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