



# Technical data sheet

## AK-DinRail-3G-Router



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## Industrial mobile radio routers for Ethernet networks

With the AK-DinRail-3G-Router a high-performance mobile radio router for industrial Ethernet networks is available, which allows safe transfer of sensible data via mobile radio networks. The integrated firewall and the VPN support safely protect your application against unauthorised access. Remote stations are easily and straightforward integrated into an IP network via an UMTS connection. If UMTS is not available, the system automatically switches over to GPRS/EDGE. 4 configurable switching inputs allow the independent sending of an SMS or an E-Mail, even to several recipients. The 4 integrated switching outputs can be actuated by means of a password-protected SMS message. Thus it is possible to remotely monitor the system status and to switch the functions. It can be attached to each top head rail / profile rail of 35mm in compliance with DIN EN 60715 (50022) and has a width of only 22.5 mm.

### Views



### Supported systems

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

### Emulations and functions

- DYNDNS-Client
- IO - Control
- E-Mail – Client
- SYSLOG-Client
- Firewall
- SMS-Client
- Connection-Check

## Technical Data

### Dimensions:

22.5 x 120 mm (WxH)

### Temperature range:

-25°C .. + 60°C

### Standards

CE / WEEE / RoHS  
EN 55022 Class B  
EN 61000-6-2  
EN 60950  
EN 301511

### Protection class

IP30

### Power supply:

10-30 volts DC/ 4.8 watts  
(at 24 volts <200mA)  
Standby = 24V = <90mA

### Mounting

35mm top head rail/mounting rail  
DIN EN 60715 (50022)

### Connections I/O

4 x digital input,  
4 x digital output (about 180mA)

### SIM card

Card holder: 2 x Mini-SIM  
1.8 or 3 volts

### UMTS

Frequencies: UMTS/HSPA  
850,1900, 2100MHz

Transmitting power: 0.25 W

Compatibility: UMTS/HSPA 3GPP  
release 6

Data rate: HSUPA max. 5.76Mbps,  
HSDPA max. 7.2Mbps

### GSM

Frequencies: GPRS/EDGE  
850,900,1800,1900 MHz

Transmitting power: max. 2.0 W

Compatibility: GPRS Class 12, Class B  
CS1 - CS4

Data rate: EDGE Multislot Class 10  
≤ 210 kBit/s (EDGE)

### Antenna

Impedance: 50 ohms  
SMA antenna socket

### Ethernet (M-DIX)

10 Half Duplex  
10 Full Duplex  
100 Half Duplex  
100 Full Duplex  
AutoSensing

## Supported protocols

1. IPv4
2. TCP
3. UDP
4. FTP
5. ICMP
6. ARP
7. SNMP
8. DHCP
9. DNS
10. IGMP
11. HTML
12. http
13. DYN DNS
14. SMTP
15. POP3
16. SYSLOG
17. SSH
18. OpenSSL
19. OpenVPN
20. IPv6

## Management

1. Telnet
2. Browser