CT-Router LTE 4-Port

With the **CT-Router LTE** 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 unauthorized access. Remote stations are easily and straightforward integrated into an IP network via an LTE connection. If LTE is not available, the system automatically switches over to HSPU/UMTS/GPRS/EDGE.

2 configurable switching inputs allow the independent sending of an SMS or an E-Mail, even to several recipients. The 2 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.

Features

- LTE – 7 Band
- HSDPA -5 Band
- GPRS/EDGS-Quadband
- integrated TCP/IP-Stack
- virtual leased line for connecting networks via mobile network
- integrated Firewall
- IPsec and OpenVPN-Support
- VPN remote start via SMS or call
- configurable inputs and outputs
- Alarm via SMS, email or fax directly from integrated input
- supply voltage range from 10 V DC to 50 V DC
- extended temperature range
- integrated surge protection
- easy configuration via web-based management

Technical data:

Supply	
Supply voltage	10 V DC ... 50 V DC via plugable screw terminals
Nominal current consumption	< 200 mA at 24 V, < 580 mA at 10 V
Standby current consumption	< 90 mA at 24 V
LED display	Power (LED green) Continuous light: Operation

Interfaces	
Network interface	
LTE frequencies	800, 850, 900, 1800, 1900, 2100, 2600 MHz (LTE)
transmission power	23 dB
UMTS frequencies	850 MHz, 1900 MHz, 2100 MHz (UMTS/HSPA)
transmission power	23 dB
UMTS compatibility	UMTS/HSPA 3GPP release 6
GSM frequencies	850 MHz, 900 MHz, 1800 MHz, 1900 MHz (GPRS/EDGS)
transmission power	Max. 2,0 W
GPRS compatibility	GPRS Class 12, Class B Coding scheme: CS1 ... CS4
EDGE	EDGE (E-GRPS) Multislot Class 10
SIM interface	2 interfaces, 1.8 volts and 3 volts SIM card
antennas connector	50 Ω impedance SMA antenna socket
LED	SIM (LED green), NET (LED bargraph)
Ethernet interface	
Connection	4xRJ45 socket, shielded
Transmission rate	10/100 MBit/s
Supported protocols	TCP/IP, UDP/IP, FTP, HTTP
Auxiliary protocols	ARP, DHCP, PING(ICMP), SNMP V1, SMTP
LED display / control signal indicator	ACT (LED yellow), Ethernet data transmission LINK (LED green), Ethernet link established
Serial interface, I/O	
Serial interface	RS232 / RS485 optional
Protocol IP-T	IP-Telemetrie acording DIN 43863-4
I/O`s	2 inputs, 2 outputs via plugable screw terminals

Physical features	
Size (HxWxD)	101x116 x22,5 mm
Environmental temperature	Operation -25...+70°C, Storage -40 ...+85°C
Humidity	0...95% (not condensing)
Protection class	IP30

CE conformity according to R&TTE directive 1999/5/EC	
EMV	EN 61000-6-2, EN55022 Class B
Safety	EN 60950
Radio	EN 301511

Technical changes reserved