

SCR-L202 MC

LTE (2G/4G) ROUTER

Item No.: 422.447



DESCRIPTION OF FUNCTIONS

The SCR-L202 mc is an industrial router that allows a secure connection between local and distant networks via the ultra-fast LTE wireless standard. The ability to connect via VPN or IPsec, ensure the security of data.

TECHNICAL DATA

Power supply:	12...24 V DC ($\pm 20\%$)
Power consumption:	Typical approx. 2.5 W, max. 6.0 W (Sleep mode: typical approx. 55 mW)
System time:	NTP client and server, real-time clock
Firmware updates:	Incremental, fail-safe, automated via update server (http, ftp, https, ftps)

MOBILE COMMUNICATION

Networks:	4G/LTE ¹⁾	2G/GPRS/EDGE
	700, 800, 900, 1.800, 2.100 MHz (bands 1, 3, 8, 20, 28) LTE Cat. 1 (DL: max. 10,2 Mbps, UL: max. 5,2 Mbps)	900, 1.800 MHz, GPRS/EDGE Class 12 (DL: max. 85,6 kbps, UL: max. 85,6 kbps)

Antenna connection:	1 x SMA female
SIM:	1 x Slot for 1 Mini-SIM card (2FF)

ROUTER

Function:	Up to 5 IP networks local (LAN) or as WAN, VLAN incl. tags and trunk ports Services: Own DHCP server per IP network Routing: Static routing, routing priority configurable Net filters: D-NAT, S-NAT, IP/port forwarding, netmapping
Security:	OpenVPN (client and server), IPsec, several VPN tunnels in parallel possible
Redundancy:	WAN chains: several WAN accesses configurable (prioritized) Provider redundancy when using a multi roaming SIM card

DISPLAY / OPERATION

LED display:	Power, WAN (Internet connection), Signal (for cellular radio)
Configuration:	Local and remote web interface (http, https; with session management)
Authentication:	Several users, different user roles and rights, certificate-based authentication with revocation list

¹⁾ Please check the availability of the LTE frequencies in the planned operating area. Above specified frequencies are currently used in Europe, Middle East, Africa and, to some extent, in the Asia-Pacific region, Australia and South America.

INTERFACES / SWITCH

Ports:	2 x RJ45
Operation mode:	10/100 MBit/s, full/half-duplex, auto MDI-X, 1.5 kV isolation voltage
Function:	Each port can be freely assigned to the IP networks, Link up/down detection, configuration port

PRODUCT CERTIFICATES

Certifications:	CE
EMC:	Emission: EN 55032 Class B, EN 61000-6-3 Immunity: EN 55024, EN 61000-6-2
Security:	IEC/EN 62368-1
Environmental conditions:	Vibration/shock as per PLC standard EN 61131-2
Temperature tests:	EN 60068-2-1, EN 60068-2-2, EN 60068-2-14, EN 60068-30
Mean lifetime:	MTBF > 770,000 h (25 °C), used standard SN 29500 (according IEC 61709)

INSTALLATION

Installation:	DIN top-hat rail (TS 35) (with included DIN top-hat rail kit) and wall mounting
IP protection class:	IP40 (housing) IP30 (terminals)
Dimensions (W x H x D):	105 x 90 x 42 mm
Operating temperature:	-30 ... 70 °C
Relative humidity:	0...95 % (non-condensing)
Terminals:	2-pin terminal connectors, rigid/flexible conductors up to 1.5 mm ²

Further information: www.meteocontrol.com