

MC-MNR DLTE

Dual-LTE Router 4-Port



2x 4G LTE



2G GSM



WLAN



GPS Glonass



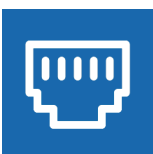
4x SMA



Dual-SIM



E1 approval (optional)



4 Ethernet RJ45



SFP cage



USB 3.0



RS-485



2in/2out

MC-MNR DLTE Router 4-Port

Technical Data

General	Description	Part-No.
Type	Dual LTE Cat 4 Router	194468
Dimensions (W x H x D)	44 x 105 x 124 mm	
Weight	approx. 500 g	
Supply voltage	8 to 30V DC	
Operation temperature	-40°C to +75°C (Storage -40°C to +85°C)	
Housing	Aluminum	
Protection class	IP20	
Mounting	DIN rail, wall mounted	
Module plugged	Quectel EM05-E / Quectel EC25-E mPCIe	
Mobile		
Supporting networks	LTE-FDD: B1/3/5/8 LTE-TDD: B34/38/39/40/41 WCDMA: B1/5/8	
max. Data Rates LTE-FDD	150 Mbps (DL) / 50 Mbps (UL)	
max. Data Rates LTE-TDD	130 Mbps (DL) / 30 Mbps (UL)	
max. Data Rates WCDMA	384 kbps (DL) / 384 kbps (UL)	
Antenna connections	4x SMA (female)	
Controller, Memory and OS		
Prozessor	ARMv8, 64bit, Cortex A5x, Quad Core, up to 2GHz	
DRAM	LPDDR4 2 GByte	
eMMC	16 GByte	
Interfaces		
Power	Plug-in screw-type terminal	
Ethernet	4x RJ45 10/100/1000 base-t	
SFP	SFP cage for standard SFP modules	
Analog Input	2x 0 - 30 V + 2x 4 - 20 mA	
RS-485	on IO-Interface	
USB	3.0	
LED	8 Status LEDs + 2 LEDs for each Ethernet sockets	
WLAN	2.4 GHz	
GNSS	GPS, GLONASS (or BeiDou) and QZSS	
External Flash	1x Micro-SD-Card slot	
Internal slots	M.2, mPCIe	
SIM	2x nano SIM (eSIM optional)	
Digital Output	4x 0 - 30 V (open drain)	
Digital Input	4x 0..30 V (optional ignition power logic for vehicle use)	
Other properties		
Operating System	OpenWRT 24 (free programmable and configurable embedded Linux system)	
Standards and regulations		
Electromagnetic compatibility	Conformity with EMC Directive 2014/30/EU (CE-Marking), optional: ECE R10	
Security	TPM2.0, Secure boot, watchdog, development process according IEC 62443-4.1	
Delivery includes		
t.b.a.		

Mistakes and changes are reserved.

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Accessories

Accessories		Part-No.
Power supply	Mount Adapter EU	100909
DIN mount	Clip-in for DIN Rail, 40mm, aluminium	100813
Bracket	Bracket made of spring steel	194316
Wall bracket	Aluminium, raw, laser-cut & folded	200026
WLAN / LTE antenna	4G/3G/2G/WLAN, SMA (male)	101292
GPS adhesive antenna	GPS, 3m RG-174, SMA (male)	163027
5G/LTE Portable antenna	5G/4G/3G/2G, 198 mm rod length, SMA (male)	161012
5G/LTE Puck Antenna	5G/4G/3G/2G, 3m RG-174, 1x SMA (male)	193874
5G/LTE MIMO Desk mount antenna	5G/4G/MIMO/3G/2G, 2 x 2m RG-174, 2x SMA (male)	193600
5G/LTE wall antenna	5G/LTE/4G/3G/2G/WLAN, 1m CS29, SMA (male)	193513
LTE Magnetic antenna	4G/3G/2G, 3m RG-174, SMA (male)	101290

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193874



193600



193513



193863



101292