

HASPA+/UMTS/CDMA/EDGE/GPRS Routers

for M2M Applications



Your benefits at a glance:

- High security of data transmission by means of **IPsec** or **OpenVPN** tunnel and integrated **Firewall**
- Simple and identical configuration of Router Family via the integrated **Web Server** or **XML File**
- Compatible to global **Mobile Phone Standards**
- Sending and receiving IO Status, Email, SMS and Router Status using XML Files
- Alerts via SMS and Email
- Logbook for recording device-specific events
- Complete package including: Power Supply, Ethernet Cable, Antenna and DIN Rail Holder

On request:

- RS232 or RS485 interfaces for transparent serial data transmission over TCP/IP
- GPS Receiver on board. GPS Data are available as SMS and XML File

Router Family

Product	MC-MRE	MC-MRH	MC-LR
Typ	Mobile EDGE Router	Mobile HSPA Router	LAN / WAN Router
Special features:		HSPA Diversity, GPS (optional)	OpenVPN
General			
Dimensions (B x H x T)	44 x 105 x 84 mm		
Supply voltage	10 to 30 V DC		
Operation temperature	-25 °C to +75 °C		
Storage temperature	-25 °C to +100 °C		
Housing	Aluminium		
Mounting	tabeltop / DIN rail		
Mobile			
Data transmission in the GSM network	GPRS/EDGE: Quadband 850/900/1800/1900MHz	GPRS/EDGE: Quadband 850/900/1800/1900MHz UMTS/HSPA+: Fiveband 800/850/AWS/1900/2100MHz	-
Transmission rates	up to 236kbps uplink and downlink	up to 5,7Mbps uplink and 14,4 Mbps downlink	-
GSM module	Cinterion MC75i	Cinterion PH8	-
Dual SIM	yes (1 x internal; 1 x external)	yes (1 x internal; 1 x external)	-
GSM Antenna connections	•	•	-
GSM Antenna connections diversity	-	•	-
Connection	SMA	SMA	-
Router			
Protocols / Services	DHCP-Server, HTTP-Server, FTP, NAT, Firewall, SNMP, SMS, OpenVPN, IPsec, L2TP, GRE, VRRP, DynDNS, NTP		
VPN	Secure data encryption with IPsec and OpenVPN (including X.509 support) Easily transfer data without security measures via GRE and L2TP tunnels		
Connections	2 x Ethernet 10/100 MBit/s	2 x Ethernet 10/100 MBit/s	2 x Ethernet 10/100 MBit/s
Integrated Switch	yes	yes	No, WAN and LAN
Interfaces			
USB	USB 2.0 Typ A		
IO	1 x Digital IN / 1 x Digital OUT over plug-in screw-type terminal		
RS232	On request, over RJ45 cable adapter		
RS485	On request, over RJ45 cable adapter		
Power 1	RJ12 (compatible with MCT accessoires)		
Power 2	plug-in screw-type terminal		
Other properties			
Configuration	local or remote via Webinterface / via SSH and XML-file		
Firmware update	local or remote via Webinterface		
GPS	-	optional	-
Antenna connection	-	SMA	-
Delivery			
Power supply 12 V, 1.2 A	•	•	•
DIN rail adapter	•	•	•
Antenna with angle	•	•	-
Ethernet cable	•	•	•