Product Overview

VPN routers, IoT gateways, software & services, accessories

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VPN routers & IoT gateways

Features		MRX5 series ⭐	MRX3 series	MRO series
Design	Extension slots (freely selectable)	● (3)	● (1)	
	Width on the DIN rail (Horizontal Pitch)	8 HP	5 HP	3.5 HP
	Dimensions in mm (WxHxD)	136 x 117 x 88	82 x 117 x 88	54 x 117 x 88
	Available as integration module			
Connection type	LAN	●	●	●
	4G	◐	◐	●
	3G	◐	◐	●
	2G	◐	◐	●
	VDSL2/ADSL	◐	◐	
	Fiber	◐	◐	
	Wi-Fi			
Interfaces	Ethernet 10/100 MBit/s	max. 17	max. 9	5
	Fiber (SFP)	max. 4	max. 2	
	RS232	max. 3	max. 1	1
	RS485	max. 3	max. 1	
	Digital I/Os	max. 14/12	max. 6/4	2/1
	Analogue I/Os	max. 9/3	max. 3/1	
	4G MIMO	◐	◐	●
Cellular frequency ranges	Worldwide	◐	◐	◐
	Europe, Middle East, Africa and partly others	◐	◐	◐
	North America	◐	◐	◐
	Australia	◐	◐	◐
Software & services[1]	icom Router Management	●	●	●
	icom Connectivity Suite – VPN (Cloud)	●	●	●
	icom Connectivity Suite – VPN (Enterprise)	●	●	●
	icom Connectivity Suite – M2M SIM	●	●	●
	icom Data Suite	●	●	●

● Standard   ◐ Depending on the variant   ⭐ Highlight   [1] Not included in delivery

VPN routers & IoT gateways

ECR series	SCR series	MIRO series ★
2.5 HP	2.5 HP	1.5 HP
42 x 95 x 105	42 x 95 x 105	26 x 77 x 99
		◐
●	●	●
◐	◐	●
◐		●
◐	◐	◐
●		
2	2	max. 2
1	1	
1		
2/2	◐ 2/2	1
◐	◐	◐
		◐
◐		
●	●	●
●	●	●
●	●	●
●	●	●
●	●	

★ **MRX5 series**
- Highest functional flexibility
- Ready for 5G and future technologies

★ **MIRO series**
- Outstanding value for money
- Industrial quality with extended temperature range

★ **MRcard Fiber**
- Very secure, fast and extremely reliable connection
- Fiber optic cables impervious to lightning strikes

★ **MRcard IO**
- Acquisition and processing of analogue and digital sensor data
- Controlled via analogue and digital outputs

Extension cards for MRX series

MRcards		Connection type							Interfaces						
Product	**Illustration**	**LAN**	**4G**	**3G**	**2G**	**VDSL2/ADSL**	**Fiber**	**Wi-Fi**	**Ethernet**	**Fiber (SFP)**	**RS232**	**RS485**	**DI/DO**	**AI/AO**	**4G MIMO**
MRcard ES Switch plug-in card		●							4						
MRcard PL 4G plug-in card			●	●	●								2/0		2
MRcard PD VDSL2/ADSL plug-in card						●							2/0		
MRcard SI Serial plug-in card											1	1	2/2		
MRcard PLS MRcard PLS-US Mobile radio/serial plug-in card			●	●	●						1		2/1		2
MRcard Fiber ⭐ Fiber plug-in card							●			2			2/0		
MRcard IO ⭐ Multi-IO plug-in card													4/4	3/1	

● Standard   ⭐ Highlight

Accessories

Antennas and extension cables

Product	Illustration	Features							Devices[2]				
		5G	4G	3G	2G	MIMO	SMA	Wi-Fi	MRX	MRO	ECR	SCR	MIRO
Magnetic Antenna 4G/3G/2G SMA			●	●	●			●		●	●	●	●	●
Outdoor Wall Antenna 4G/3G/2G SMA			●	●	●			●		●	●	●	●	●
Allround Antenna 5G/4G/3G/2G SMA	PANORAMA ANTENNAS	●	●	●	●			●		●	●	●	●	●
Magnetic/screw/adhesive antenna 4G/3G/2G SMA			●	●	●			●		●	●			
Roof Mount Antenna 4G/3G/2G SMA			●	●	●			●		●	●	●	●	●
Magnetic Antenna MIMO 5G/4G/3G/2G SMA	PANORAMA ANTENNAS	●	●	●	●	●	●			●	●			
Outdoor Panel Antenna MIMO 5G/4G/3G/2G SMA	PANORAMA ANTENNAS	●	●	●	●	●	●			●	●			
Panel Antenna 4G/3G/2G MIMO SMA			●	●	●	●	●			●	●			
Magnetic Antenna Wi-Fi 2.4 GHz rev. SMA							●	●				●	
Outdoor Wall Antenna Wi-Fi 2.4 GHz rev. SMA							●	●				●	
Antenna with hinge Wi-Fi 2.4 GHz rev. SMA							●	●				●	
Antenna Extension Cable SMA		●	●	●	●	●	●		●	●	●	●	●

Power supply units

Product	Illustration	DIN rail	Plug
Power supply unit 24V 15W (Input 85-264 VAC / 120-370 VDC)		●	
Plug-in power supply unit 24V 25W international (EU, UK, AUS, USA)			●

● Compatible

[2] Applies only to mobile radio variants

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