

Remote Access Router RAR 24XX



with 5 Ethernet ports
1 USB 2.0

The RAR 24XX is the standard and most supported hardware for SIGMATEK's Remote Access Platform (RAP). The RAR 24XX makes it convenient to remotely connect to your equipment, while the built-in firewall keeps your equipment safe from outside threats. Configuration is as easy as inserting a USB flash drive, which contains your configuration file, into the RAR 24XX's USB port.

Technical Data

Power supply (recommended)	12-24 VDC ±20 % LPS 2 A
Power consumption	10 W max, about 2.5-5 W* idle
Operating temperature	-20 ... +65 °C
Relative humidity	10-95 % non-condensing
Operating altitude	up to maximum 2000 m
Storage temperature	-20 ... +65 °C
Storage humidity	10-95 % non-condensing
Storage altitude	up to maximum 3000 m
Ethernet ports	five 1 Gbps (4x LAN, 1x WAN)
USB	USB 2.0
Processor	MIPS 800 MHz
Digital Input	yes
Degree of protection	IP20
Mounting	DIN rail
Size	95 x 116 x 28 mm (excl. DIN rail clip)
Weight	270-310 g

Certifications	CE, UL (E540530), FCC Verification, RoHS, REACH
Class	5 bands GPRS/EDGE Class 12
Speed	HSPA+ - Max.14.4 Mbps (DL)/Max.5.76 Mbps (UL) UMTS - Max.384 Kbps (DL)/Max.384 Kbps (UL) EDGE - Max.236.8 Kbps (DL)/Max.236.8 Kbps (UL) GPRS - Max.85.6 Kbps (DL)/Max.85.6 Kbps (UL) CSD - 14.4 Kbps
SIM size	Standard SIM card (size 2FF)
FCC ID	XMR201903EG25G
LTE additional specifications: 4G-G protocols and frequencies (Gobal)	FDD-LTE - B1, B3, B5, B7, B8, B20 WCDMA - B1, B5, B8 GSM/GPRS/EDGE - 850, 900, 1800, 1900 MHz
Speed	LTE-FDD - Max.100 Mbps (DL)/Max.50 Mbps (UL) LTE-TDD - Max.61 Mbps (DL)/Max.18 Mbps (UL) DC-HSPA+ - Max.42 Mbps (DL)/Max.5.76 Mbps (UL) TD-SCDMA - Max.4.2 Mbps (DL)/Max.2.2 Mbps (UL) WCDMA - Max.384 Kbps (DL)/Max.384 Kbps (UL) EDGE - Max.236.8 Kbps (DL)/Max.236.8 Kbps (UL) GPRS - Max.85.6 Kbps (DL)/Max.85.6 Kbps (UL) CSD - 14.4 Kbps
SIM size	Standard SIM card (size 2FF)
WI-FI additional specifications: WI-FI IEEE 802.11 version	b/g/n
WI-FI modes	Station (Client) Mode and Access Point
Speed	72 Mbps
FCC ID	XPYLILYW1

Electrical Requirements

Power supply	12-24 VDC ±20 % LPS 2 A
Internal voltage protection	maximum 29 V
Input protection	protected against polarity inversion
Isolation	1.5 kV

Digital Input

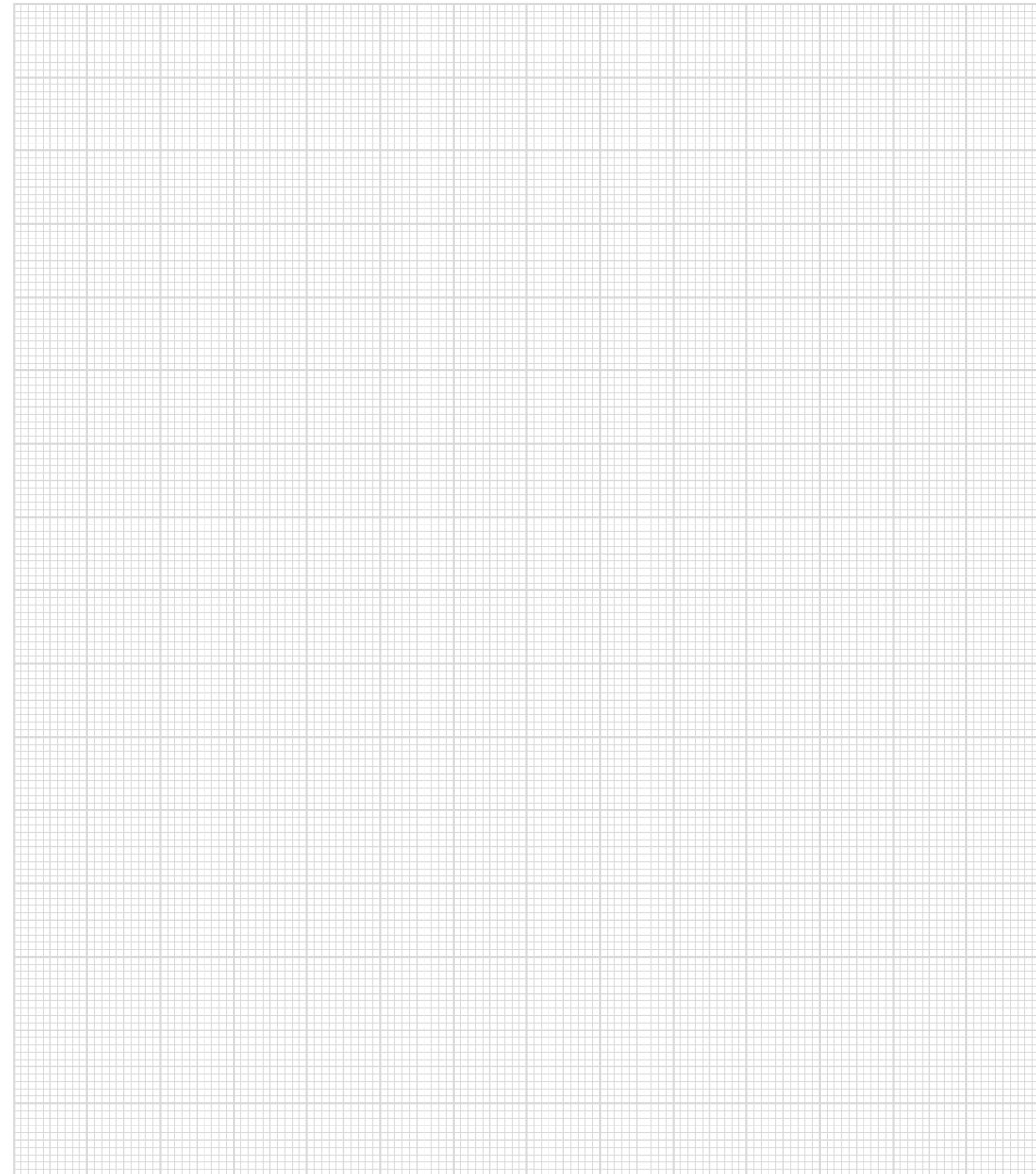
Type	Optocoupler
Voltage range	0-29 VDC
Voltage range (OFF state)	0-3 VDC
Voltage range (ON state)	7-29 VDC
Current voltage (ON state)	2-5 mA (typically)

Article Number and Miscellaneous

The RAR 24XX contains different FCC certified modules, depending on the variant.

Type	Enclosed Module	Article Number
RAR 2400	-	01-692-2400
RAR 2405	4G Global	01-692-2405
RAR 2410	Wi-Fi	01-692-2410
RAR 2415	Wi-Fi + Global	01-692-2415
Dimensions	28 x 116 x 95 mm (W x H x D)	

Notes

A large grid area for taking notes, consisting of a 20x20 grid of squares. The grid is empty and occupies the right half of the page.