



M3G230

3G router

Reliable, fast and secure 3G router for professional applications.

- ✓ Wireless AP, 2 port router with DHCP server and firewall in a single device
- ✓ 3G, GSM/GPRS/EDGE and WiFi
- ✓ Easy accessible SIM card slot
- ✓ Dynamic DNS
- ✓ Durable aluminum housing with LED signal strength indicators and optional connection of two external antennas

M3G230 is a router for use between TCP/IP connected controllers and a wireless, mobile 3G/GPRS network. Controllers connected through a mobile 3G network offer a highly flexible solution and using this router requires no previous building network installations.

The router can be used for communication between several controllers and EXOscada/CLOUDigo. It is also possible to connect a computer to service the controllers from a remote location.

Network and configuration

The router is not locked to any specific network provider. Since data usage can vary between applications, it is recommended to select a network provider that offers SIM cards with a fixed rate or sufficient data traffic.

When starting up, configuration is made using a user friendly and simple internal web page. The web page also makes it easy to keep track of overall data traffic.

WiFi

The router has WiFi functionality, further extending options for connectivity. It is, however, recommended to turn off the WiFi during operation or protect the network with a strong and secure password in order to limit data usage.

Remote connection

The router uses software which makes it easy to find over the Internet. The software makes simple to locate the connected units in the application and to connect to them.

SIM card slot

The router has a SIM card slot on the outside which makes it easy to install and change SIM cards without tools.

Automatic reboot

The router will reboot automatically if losing contact with the network. The router can also be rebooted via SMS.

Technical data

Connections	RJ45 (1 LAN, 1 WAN), WiFi
Communication	TCP/IP
Mobile network	UMTS 900/2100 MHz HSDPA mode: 14.5 Mbps (Cat 10) download speed HSUPA mode: 5.76 Mbps (Cat 6) upload speed GPRS/EDGE Multi-slot class 12
Ethernet	IEEE 802.3, IEEE 802.3u standards 1 LAN 10/100 Mbps Ethernet port 1 WAN 10/100 Mbps Ethernet port
WiFi	IEEE 802.11 b/g/n WiFi standards
SIM card slots	1
Software	Open VPN, IPsec, GRE, L2TP, PPTP Dynamic DNS Firmware update from bootloader via WebUI SMS control
Power Supply	9 - 30 V DC. Wall adapter included.
Power consumption	< 5 W
Operating temperature	-40 °C ... +75 °C
Storage temperature	-45 °C ... +80 °C
Operation humidity	10 % ... 90 % non-condensing
Storage humidity	5 % ... 95 % non-condensing
Dimensions (HxWxD)	74 mm x 83 mm x 25 mm
Weight	125 g
Housing	Aluminium

CE

Low Voltage Directive (LVD) standards: This product conforms to the requirements of the European Low Voltage Directive (LVD) 2014/35/EU through product standards LST EN 60950-1:2006, LST EN 60950-1:2006/A11:2009, LST EN 60950-1:2006/A1:2010, LST EN 60950-1:2006/A12:2011 and LST EN 60950-1:2006/A2:2013.

EMC emissions & immunity standards: This product conforms to the requirements of the EMC Directive 2014/30/EU through product standards EN 301 489-1 v1.9.2, EN 301 489-1 v1.4.1, EN 301 489-1 v1.3.1, EN 301 489-1 v2.2.1 and EN 301 489-1 v1.5.1

Efficient use of the radio frequency spectrum: This product conforms to the requirements of the Efficient use of the radio frequency spectrum, Article 3.2 of 1999/5/EU through product standards EN 301 511 v9.0.2, EN 301 908-1 v6.2.1, EN 301 908-2 v6.2.1, EN 301908-13 v6.2.1, EN 300 440-1 v1.6.1, EN 300 440-2 v1.4.1 and EN 300 328 v1.8.1

Radio frequency & human exposure: EN 50383:2010, EN 50385:2002 and EN 62311:2008

RoHS: This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council through EN 50581:2012.

Accessories

Article	Description
MXGDIN	Kit for mounting M3G230 and M4G950 on a DIN rail
MODEM3G-ANT	External antenna with 3.6 m cable

Product documentation

Document	Type
Instruction	Instruction for installation and quick start of M3G230/M4G950
Manual M3G230	Manual with complete information about M3G230

The product documentation can be downloaded from www.regincontrols.com.