



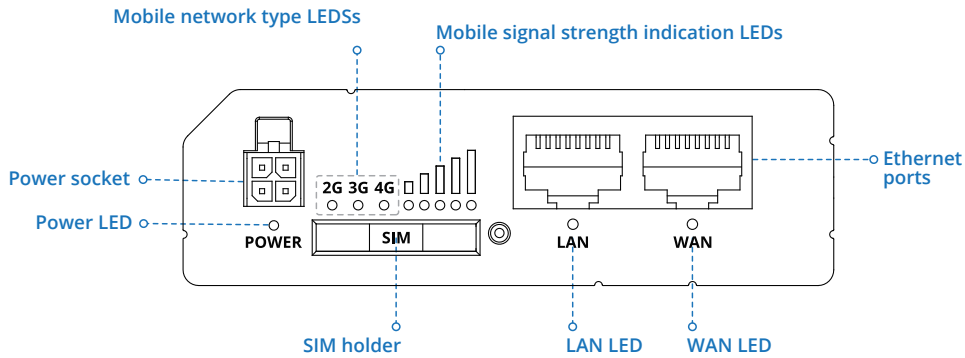
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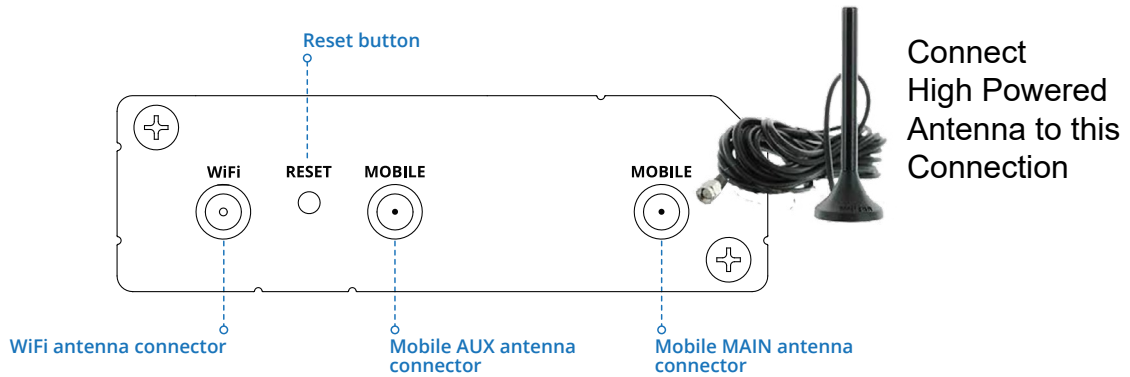
MCS-WIRELESS MODEM-INT-B

Quick Start Guide v2.5

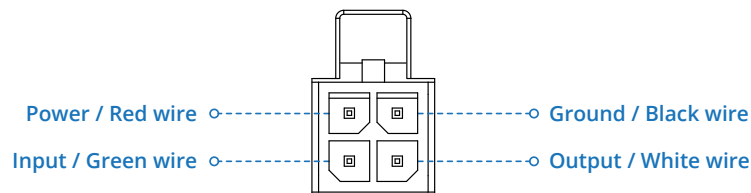
FRONT VIEW



BACK VIEW

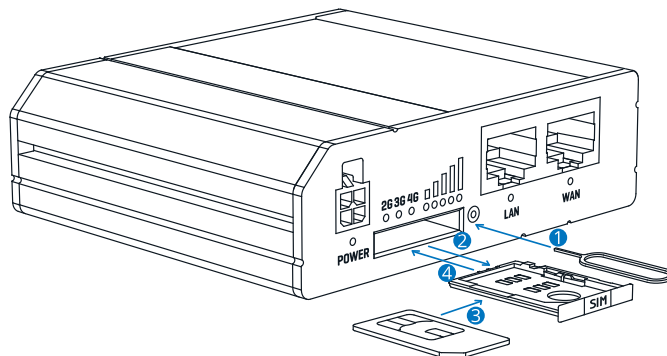


POWER SOCKET PINOUT



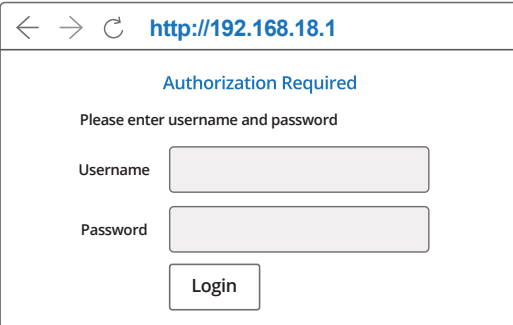
HARDWARE INSTALLATION

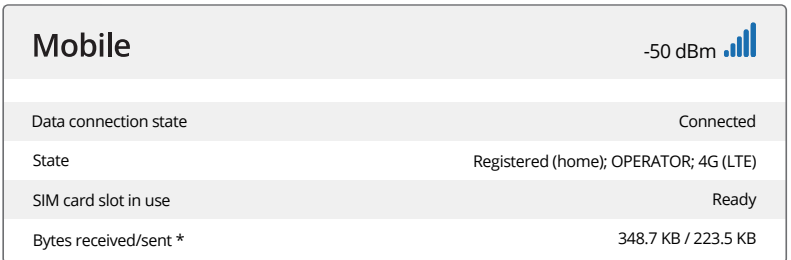
1. Push the SIM holder button with the SIM needle.
2. Pull out the SIM holder.
3. Insert your SIM card into the SIM holder.
4. Slide the SIM holder back into the router.
5. Attach all antennas.
6. Connect the power adapter to the socket on the front of the device. Then plug the other end of the power adapter into a power outlet.
7. Connect to the device wirelessly using SSID and password provided on the device information label or use an Ethernet cable connected to LAN port.




LOGIN TO DEVICE

1. To enter the router's Web interface (WebUI), type <http://192.168.18.1> into the URL field of your Internet browser.
2. Use login information shown in image A when prompted for authentication.
3. After you login, you will be prompted to change your password for security reasons. The new password must contain at least 8 characters, including at least one uppercase letter, one lowercase letter and one digit. This step is mandatory and **you will not be able to interact with the router's WebUI before you change the password.**
4. When you change the router's password, the [Configuration Wizard](#) will start. The [Configuration Wizard](#) is a tool used to setup some of the router's main operating parameters.
5. Go to the [Overview](#) page and pay attention to the [Signal Strength](#) indication (image B). To maximize the cellular performance try adjusting the antennas or changing the location of your device to achieve the best signal conditions.

A. 

B. 

Mobile -50 dBm 	
Data connection state	Connected
State	Registered (home); OPERATOR; 4G (LTE)
SIM card slot in use	Ready
Bytes received/sent *	348.7 KB / 223.5 KB

TECHNICAL INFORMATION

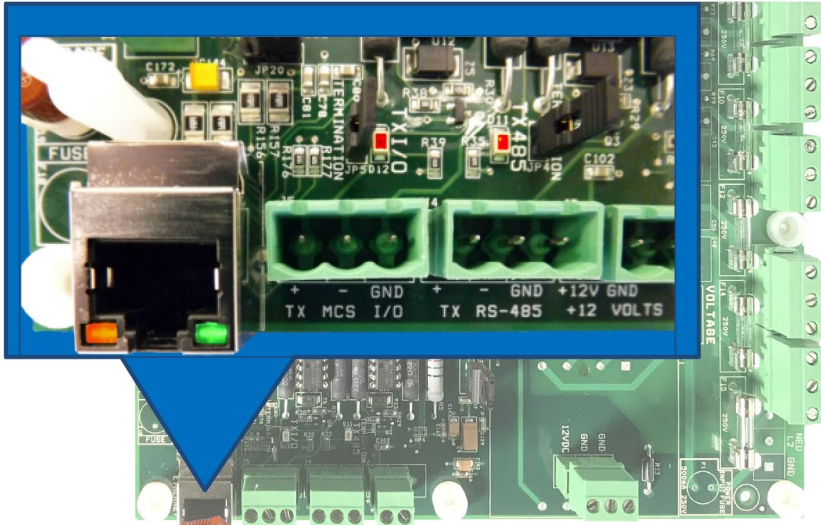
Radio Specifications	
RF technologies	2G, 3G, 4G, WiFi
Max RF power	33 dBm@GSM, 24 dBm@WCDMA, 23 dBm@LTE, 20 dBm@ WiFi
Bundled accessories specifications*	
Power adapter	Input: 0.4 A@100-200 VAC, Output: 9 VDC, 1A, 4-pin plug
Mobile antenna	698~960/1710~2690 MHz, 50 Ω, VSWR<3, gain** 3 dBi, omnidirectional, SMA male connector
WiFi antenna	2400~2483,5 MHz, 50 Ω, VSWR<2, gain** 5 dBi, omnidirectional, RP-SMA male connector

*Order code dependent.

**Higher gain antenna can be connected to compensate for cable attenuation when a cable is used. The user is responsible for the compliance with the legal regulations.

MCS-WIRELESS-MODEM-INT-B WIRING INSTRUCTIONS

ETHERNET COMMUNICATION PORT

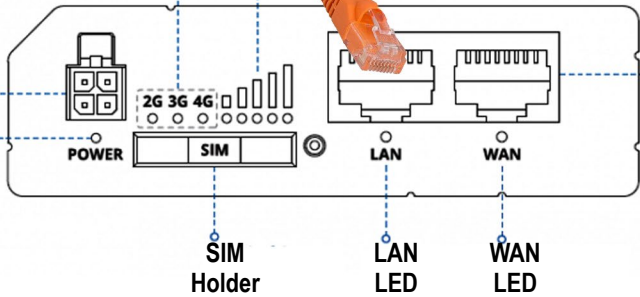


RJ45

Mobile signal strength indication LEDs

Mobile network type LEDs

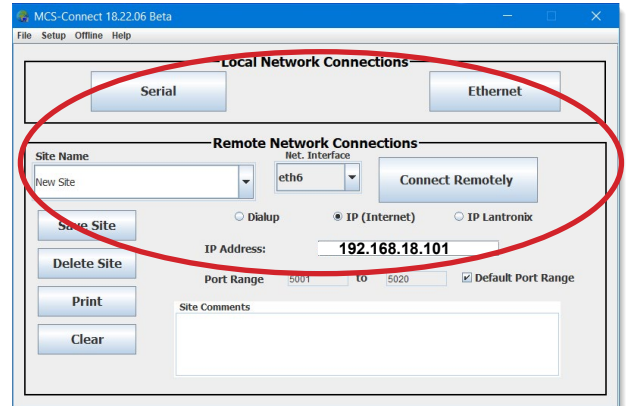
Power Socket
Power LED



Ethernet ports



MCS-CONNECT setup to access job site



Example MAGNUM #1 address
Static IP: 192.168.18.101
Subnet mask: 255.255.255.0
Default Gateway: 191.168.18.1
TCP/IP Port: 5001

Connect to multiple MAGNUMS using an Ethernet hub
see below to setup.

(Each MAGNUM must have a unique address.)



To setup using STATIC IP 101 TO 110, open MCS-CONNECT;

1. Click the tab for 'SETUP'
2. Click 'NETWORK'
3. Click on 'SHOW ALL NETWORK INTERFACES'
4. Open VPN'
5. Save
6. Click 'REMOTE', a unique STATIC IP address will be assigned.

