

Application Note

Provide a PLC with access to the Internet

Scenario

We have a PLC device with an Ethernet port that we want to provide with Internet access in order to send data to the Cloud. The PLC has a local IP address of 192.168.1.70

Solution

MTX-Router-Titan-II-S-4G AUS and suitable SIM card



Details:

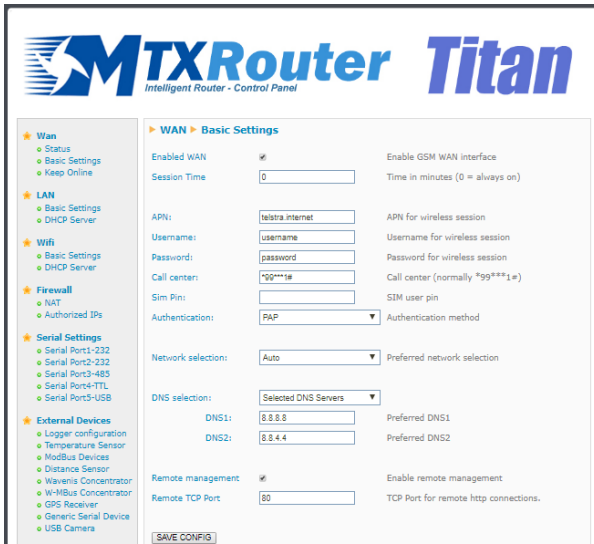
After the router has started, access the router's configuration with the default username and password: "admin" and "admin", using the default IP address "192.168.1.2".

Check the configuration in the menus "Wan>Basic Settings" and make sure the APN, username and password are set correctly.

Remember that in order to work, the PLC's IP address should be in the same range as the router's LAN IP address and we should specify the PLC's Gateway IP address with the router's LAN IP address. In this example, it would be 192.168.1.2.

Application Note

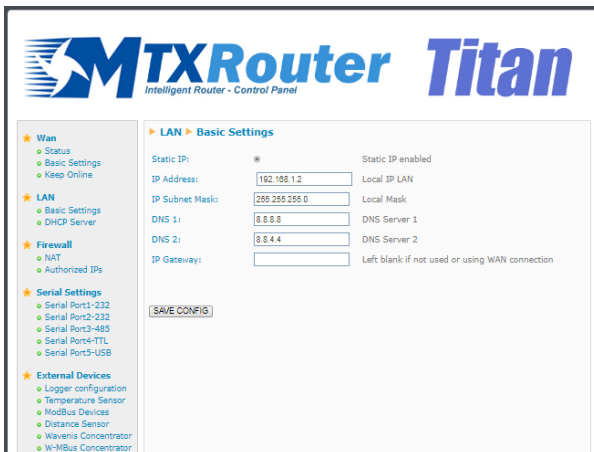
Provide a PLC with access to the Internet



MTXRouter Titan
Intelligent Router - Control Panel

WAN Basic Settings

- Enabled WAN: Enable GSM WAN interface
- Session Time: Time in minutes (0 = always on)
- APN: APN for wireless session
- Username: Username for wireless session
- Password: Password for wireless session
- Call center: Call center (normally *99***111)
- Sim Pin: SIM user pin
- Authentication: Authentication method
- Network selection: Preferred network selection
- DNS selection:
- DNS1: Preferred DNS1
- DNS2: Preferred DNS2
- Remote management: Enable remote management
- Remote TCP Port: TCP Port for remote http connections.



MTXRouter Titan
Intelligent Router - Control Panel

LAN Basic Settings

- Static IP: Static IP enabled
- IP Address: Local IP LAN
- IP Subnet Mask: Local Mask
- DNS 1: DNS Server 1
- DNS 2: DNS Server 2
- IP Gateway: Left blank if not used or using WAN connection