



ALL-RUT22GW

Industrial 4G LTE Cellular Router



Kurzanleitung

1. Standardwerte:

IP-Adresse	192.168.1.1
Benutzername	root
Passwort	2wsx#EDC

2. Hardware Installation

- Legen Sie die SIM-Karte in den SIM-Kartenslot.
- Schließen Sie den 8-48V DC-Netzadapter an den Router an und stecken Sie den Netzadapter dann in eine Steckdose.
- Verbinden Sie den Ethernet-Port des Routers mit Ihrem Netzwerk.

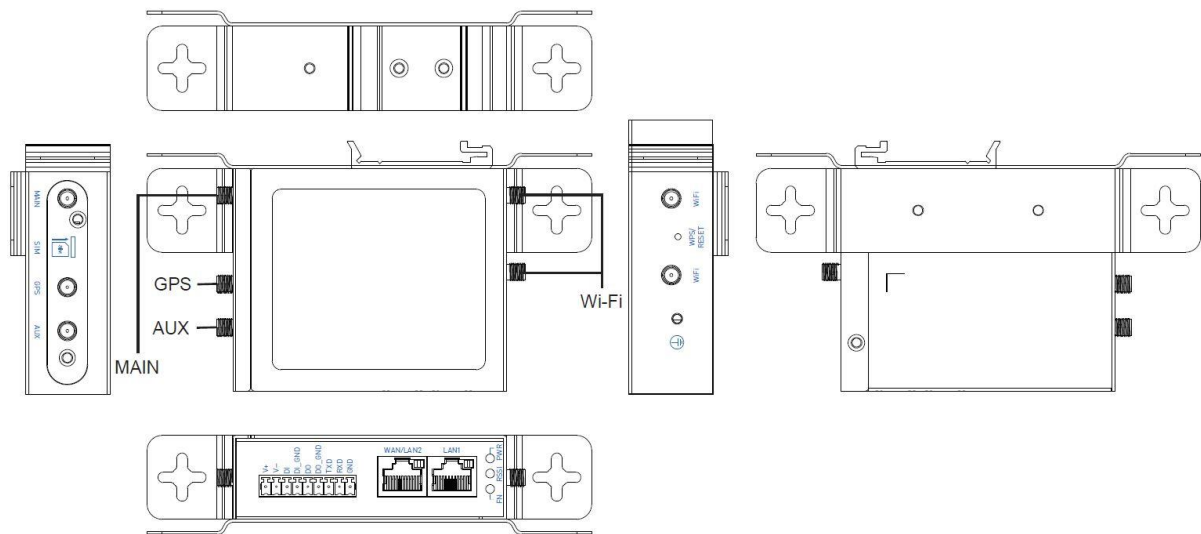
3. Einlegen und Entfernen der SIM Karte

- Vergewissern Sie sich vor dem Einsetzen oder Entfernen der SIM-Karte, dass der Strom abgeschaltet und der Stromanschluss vom ALL-RUT22GW entfernt wurde.
- Legen Sie die SIM-Karte in der richtigen Richtung ein, sonst bleibt sie im Inneren stecken. Schieben Sie die SIM-Karte in den Schlitz, und drücken Sie sie leicht an, um sie im Schlitz zu verriegeln.



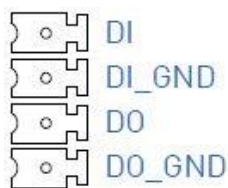
- Um die SIM-Karte zu entfernen, drücken Sie leicht auf die SIM-Karte und sie springt heraus.

4. Mechanische Abmessungen



5. I/O Ports

Das Gerät hat vier Klemmen auf dem Klemmblock für die digitalen Ein- und Ausgänge.



PIN	Description
DI	Digitaler Eingang
DI_GND	
DO	Digitaler Ausgang
DO_GND	

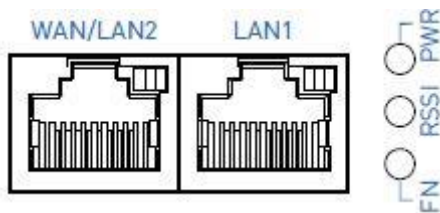
- DI: Low (+0 to +5V) / High (+8 to +40V)
- DO: Open Collector (maximum 30V/300mA)

6. LED Anzeige

LED	RSSI	FN	PWR
An	Starkes Signal	VPN verbunden	Power On
Langsam blinkend	Mittlers Signal / Reset	Internet verbunden / Reset	N/A
Schnell blinkend	Schwaches Signal / Reset to Default	System Booting / Reset to Default	N/A
Aus	Fehler	N/A	Power Off
Heart Beat	WPS Verarbeitung	Wi-Fi verbunden	N/A

7. Ethernet Port

- 10/100 Mbps Ethernet LAN/WAN**



Die LAN- und WAN-Schnittstelle sind Standard-RJ45-Anschlüsse.

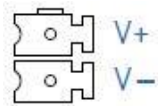
PIN	Beschreibung	Funktion
1	TX+	10/100 Mbps, Tx+ Pin
2	TX-	10/100 Mbps, Tx- Pin
3	RX+	10/100 Mbps, Rx+ Pin
4	N/A	N/A
5	N/A	N/A
6	RX-	10/100 Mbps, Rx- Pin
7	N/A	N/A
8	N/A	N/A

- LED Anzeige des Ethernet-Ports**

LED	Status	Description
Grün (Link / ACT)	Aus	Keine Verbindung
	Blinkt	Daten werden übertragen
	An	Verbunden

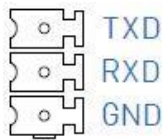
8. Anschließen der Stromversorgung

DC-Stromversorgungen im Bereich von 8-48V DC.



PIN	Power (8-48V DC)
V+	Positiv
V-	Negativ

9. UART (RS-232)



PIN	Power (8-48V DC)
TXD	Daten übertragen
RXD	Daten empfangen
GND	Erde

10. WPS / Reset Button

Mit der Reset-Taste können Sie das Gerät neu starten oder die Werkseinstellungen wiederherstellen.



Funktion	Operation
WPS Verarbeitung	Drücken Sie den Knopf für weniger als 5 Sekunden.
Neustart	Drücken Sie den Knopf für 5-10 Sekunden.
Werksreset	Drücken Sie den Knopf für länger als 10 Sekunden

11. Einrichtung

a.) Zugriff auf den Web-Konfigurator

- Geben Sie die Standard-LAN-Adresse des Gerätes in ihrem Web-Browser ein 192.168.1.1.



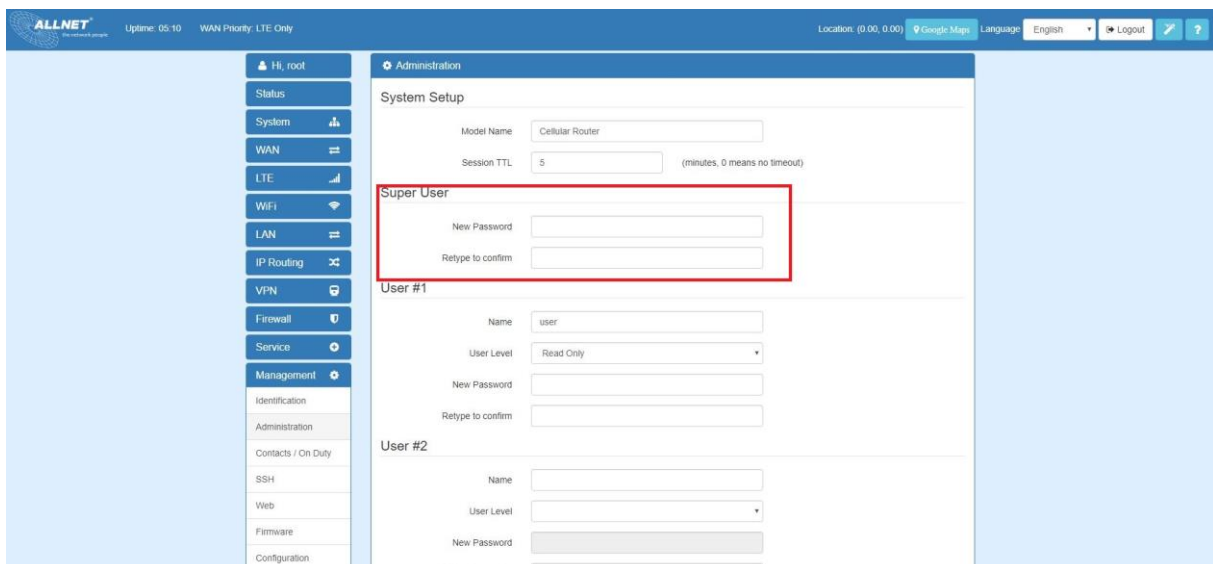
- Um sich einzuloggen verwenden Sie den Benutzernamen **root** und das Passwort **2wsx#EDC**. Anschließend bestätigen Sie mit **Login**.



b.) Passwort ändern

Unter **Management > Administration** können Sie unter dem Punkt **Super User** das **neue Passwort** vergeben. Scrollen Sie auf der Seite nach unten und bestätigen sie mit **Apply**.

Hinweis: Bitte verwenden Sie keine einfach zu erratenden Passwörter (z.B. admin, root, 1234, ...)



c.) LTE Konfiguration

Unter **LTE > LTE Config** können Sie die folgenden Einstellungen treffen:



ALLNET
Uptime: 09:50 WAN Priority: LTE Only Location: (0.00, 0.00) Google Maps Language: English Logout

Hi, root

Status

System

WAN

LTE

LTE Config

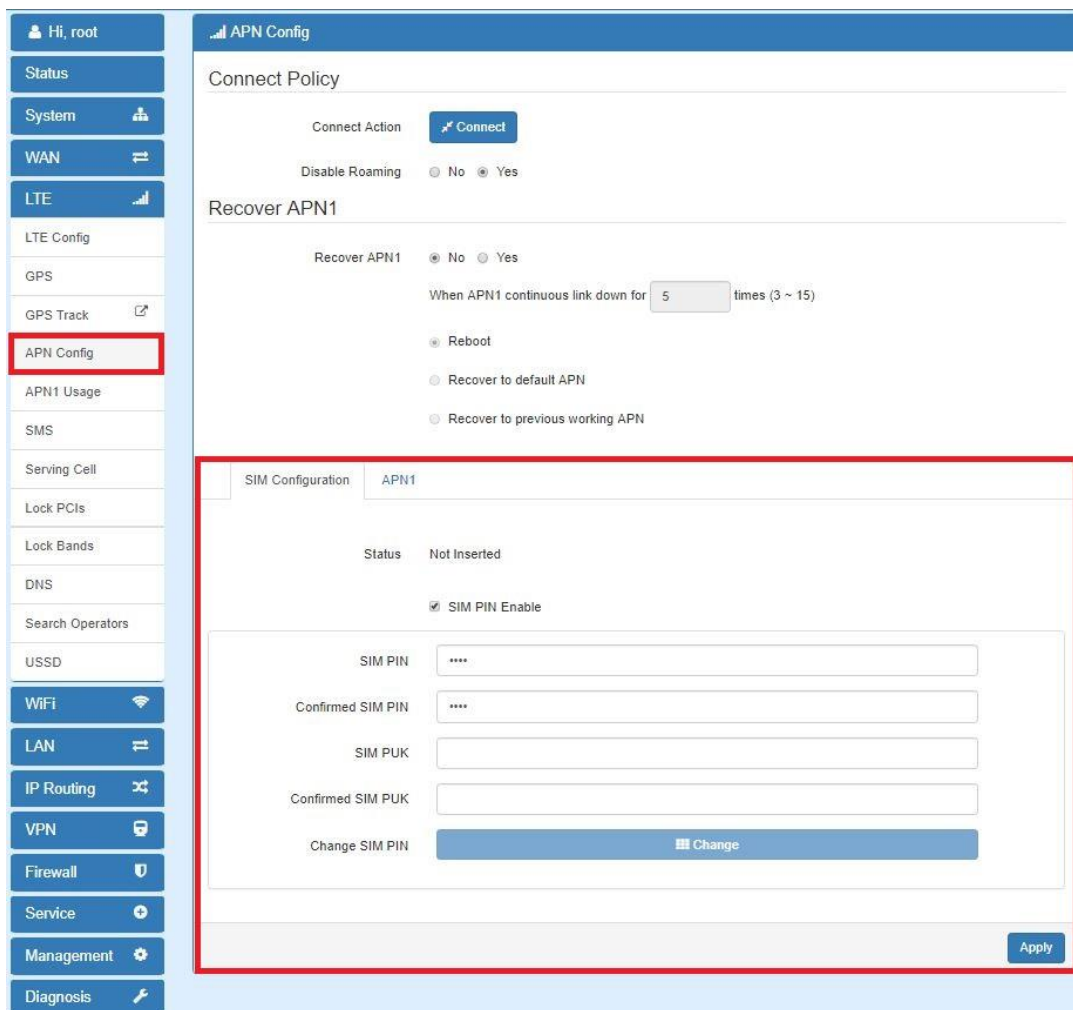
LTE Config: Auto (Change this field require rebooting)

MTU: 1500 (min: 700, max: 1500)

Apply

d.) SIM Konfiguration

Unter **LTE > APN Config** können Sie die SIM-Einstellungen bearbeiten:



Hi, root

Status

System

WAN

LTE

LTE Config

GPS

GPS Track

APN Config

APN1 Usage

SMS

Serving Cell

Lock PCIs

Lock Bands

DNS

Search Operators

USSD

WiFi

LAN

IP Routing

VPN

Firewall

Service

Management

Diagnosis

APN Config

Connect Policy

Connect Action: Connect

Disable Roaming: No Yes

Recover APN1

Recover APN1: No Yes

When APN1 continuous link down for 5 times (3 ~ 15)

Reboot

Recover to default APN

Recover to previous working APN

SIM Configuration

APN1

Status: Not Inserted

SIM PIN Enable

SIM PIN: ****

Confirmed SIM PIN: ****

SIM PUK:

Confirmed SIM PUK:

Change SIM PIN: Change

Apply

e.) DNS Konfiguration

Unter **WAN > IPv6 DNS** und **LTE > DNS** können Sie folgende DNS-Einstellungen treffen:

The screenshot shows the 'IPv6 DNS' configuration page. On the left sidebar, the 'WAN' menu is selected, and 'IPv6 DNS' is highlighted with a red box. The main content area is titled 'IPv6 DNS' and 'APN1 DNS Server Configuration'. It contains three rows for 'IPv6 DNS Server #1', '#2', and '#3', each with a 'From ISP' dropdown menu and an empty text input field. A red box highlights the server labels. An 'Apply' button is at the bottom right.

The screenshot shows the 'DNS' configuration page. On the left sidebar, the 'LTE' menu is selected, and 'DNS' is highlighted with a red box. The main content area is titled 'DNS' and 'APN1 DNS Server Configuration'. It contains three rows for 'IPv4 DNS Server #1', '#2', and '#3', each with a 'From ISP' dropdown menu and an empty text input field. A red box highlights the dropdown menus. An 'Apply' button is at the bottom right.

f.) LAN Konfiguration

Unter **LAN > IPv4** können Sie Ihre LAN-Einstellungen anpassen:

Hi, root

Status

System

WAN

LTE

WiFi

LAN

IPv4

IPv6

VLAN

Subnet

LAN IPv4

IP Address: 192.168.1.1

IP Mask: 255.255.255.0

DHCP Server Configuration

DHCP Server: On

IP Address Pool: From 192.168.1.20 To 192.168.1.25

Static IP Addresses

+ Add Static IP Address

Apply

g.) Status

Gehen Sie auf den Menüpunkt **Status**, um den Router-Status (WAN LTE / LTE APN1 DNS / WAN Ethernet / LAN Ethernet) wie folgt zu überprüfen:

Hinweis: Die markierten Felder (in rot) zeigen Ihnen, dass der LTE-, IP- und DNS-LAN-Status in Ordnung ist.

16, net	
Status	
System	
Time and Date	
Logging	
Alarm	
Ethernet Ports	
Cable Linc	
VPN	
LTE	
WiFi	
LAN	
IP Routing	
VPN	
Forward	
Service	
Management	
Diagnostics	

FW	
ARM	Value
Status	Alarm OFF

GPS	
ARM	Value
Latitude	0
Longitude	0
Horizontal	0
Altitude	0
Date	
Time	
Satellite	0

WAN LTE	
ARM	Value
Modem Status	Ready
Operator	T-Mobile (Germany)
Modem Access	HSPA+
MNFI	202017044015039
Phone Number	+49151024168239
Band	WC256A-2100
EASFCN	10B12
P-LMN	20201
Bearing	N/A
Uplink Speed Kbps	0.000
Downlink Speed Kbps	0.000
Tx/Rx kBytes	177.000/302.000
Tx/Rx Dropped Packets	0/0
LTE Net Mode	Router Only

LTE AP/N1 (Router)	
ARM	Value
IPv4 Address	10.152.136.107
IPv4 Mask	255.255.255.248
Default Gateway	10.152.136.108
Connected	Yes
IPv4 Conn Time	10.47
Uplink Speed Kbps	0.000
Downlink Speed Kbps	0.000
Tx/Rx kBytes	177.000/302.000
Tx/Rx Dropped Packets	0/0

WAN DNS	
ARM	Value
IPv4 DNS Server #1	10.14.210.210
IPv4 DNS Server #2	10.14.210.211
IPv4 DNS Server #3	
IPv6 DNS Server #1	2A01:598:7F0:10:14:210:210
IPv6 DNS Server #2	2A01:598:7F0:10:14:210:211
IPv6 DNS Server #3	

WAN Ethernet	
ARM	Value
IPv4 Address	
IPv4 Mask	
Default Gateway	
IPv4 Conn Time	00:00

WAN WiFi	
ARM	Value
IPv4 Address	
IPv4 Mask	
Default Gateway	
IPv4 Conn Time	00:00
SSID	
MAC Address	
Channel	0

LAN Ethernet	
ARM	Value
IPv4 Address	192.168.1.1
IPv4 Mask	255.255.255.0
IPv6 Address	2A01:598:960C:5D0:1
IPv6 Conn Time	14:00
Uplink Speed Kbps	9.000
Downlink Speed Kbps	3.000
Tx/Rx kBytes	2960.000/575.000
Tx/Rx Dropped Packets	0/10

WiFi AP	
ARM	Value
Connected Clients	0

Connected VPN Connections	
ARM	Value
OpenVPN	0
IPSec	0
GRE	0
PPTP Server	0
L2TP	0

Hinweis:

- Alle Standardeinstellungen sollten ordnungsgemäß funktionieren, so dass es nicht notwendig ist, die Werte für diese Kurzanleitung zu ändern (mit Ausnahme der PIN-Einstellungen)
- Wenn Sie Verbindungsprobleme haben oder Sie eine benutzerdefinierte Konfiguration ausprobieren möchten, lesen Sie bitte das Benutzerhandbuch für weitere Informationen.

12. Sicherheitshinweise

Beachten Sie unbedingt folgende Hinweise:

- Öffnen Sie niemals das Gerät.
- Führen Sie niemals eine Installation während eines Gewitters durch.
- Stellen Sie sicher, dass Leitungen stolper- und trittsicher verlegt werden.
- Setzen Sie das Gerät im Betrieb niemals direkter Sonneneinstrahlung aus.
- Betreiben Sie das Gerät niemals in die Nähe von Wärmequellen.
- Stellen Sie das Gerät niemals auf Oberflächen, die wärmeempfindlich sind.
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Version 2.1, February 1999

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