#### TR-1902-LTE connectivity with Poe adaptor





## Login Page

Default login IP is 192.168.1.1 Username: admin Password: admin

Cell_Router - Login	Page ×
$\leftrightarrow$ $\rightarrow$ C $\bigcirc$ Not	secure   192.168.1.1/cgi-bin/luci
Techroutes	TR-1902-LTE ROUTER
	Authorization Required Please enter your username and password.
	Username admin Password
	Dogin Seset

Cell_Router - Opera	tion 🗠 🗙 🔪	
$\leftrightarrow$ $\rightarrow$ C $\bigcirc$ Note	secure   192.168.1.1/cgi-bin	/luci/:stok=d0ad60458f9379460941af51747cd2e8/admin/network/opermode
<b>Techroutes</b>	TR-1902-LTE R	OUTER
Status	Operation mode of	configuration
System	You may configure the operation	mode suitable for you environment.
Services	Operation mode	Bridge mode
Network		All ethernet and wireless interfaces are bridged into a single bridge interface.
Operation Mode		Gateway mode The first ethemet port is treated as WAN port. The other ethernet ports and the wireless interface are bridged together and are treated as LAN ports.
Mobile		AP client mode
LAN		The wireless ap client interface is treated as WAN port
Wired WAN	Wired-WAN port role	Wired-WAN port acts as WAN
WAN IPv6		Wired-WAN port acts as LAN
Interfaces	NAT enable	×
Wi-Fi		
Firewall		
Switch		Save & Apply Save Reset
DHCP and DNS		
Diagnostics		
Dynamic Routing		
Loopback Interface		

Network     SIM 1       Operation Mode     Enable     If       Mobile     Enable     If       Mobile     Mobile connection     DHCP mode     If       LAN     PIN code     If       Werd WAN     PIN code     If       Dialing number     '99#       Jonnet     PIN       Jonnet     PIN       Jonnet     If       Dual APN support     If       Diagnostics     Dual APN support       Diagnostics     Dual APN support       Outpartes     If       Motiver Type     aufornatic       Vetoric Type     aufornatic       Ods     Ortine mode       Keep Alive     If       If     If       If     If	← → C ③ Not secure   1	92.168.1.1/cgi-bin/luci/;stok=087811	b5edfe0daeb118c91bc8aa213d/admin/network/mobile	ର୍ ★
Operation Mode   Mobie   Mobie   Mobie   LAN   Wird WAN   Wird WAN   WAN IPv6   Interfaces   W-FI   Firewall   Switch   DLPP and DNS   Diagnostics   Dual APN support   Diagnostics   Dynamic Routing   Loopback Interface   Hetwork Type   Authentication method   None   Verture   Authentication method   None   Diagnostics   Dual APN support   Coopback Interface   Hetwork Type   Authentic   Verture   Authentic   Mutu   1500   Static Routes   Coops   Diagnost   Dotaine mode   Keep Allve	Network	SIM 1		
Mobile   LAN   Wed WAN   Wird WAN   WAN IPv6   Interfaces   Dailing number   '90#   WH-FI   Firewall   Switch   Authentication method   None   DHCP and DNS   Diagnostics   Dual APN support   Duant Authentication   Network Type   automatic   Yumanic Routing   Loopback Interface   Hostnames   Guest LAN(Guest WiFi)   Staic Routes   Online mode   Keep Allve	Operation Mode	Epoble		
LN Mobile connection   Wred WAN PIN code   WAN IPv6 PIN code   Interfaces Daling number   '99#   W-Fi APN   Jonet   Switch Authentication method   IO-CP and DNS   Diagnostics   Dual APN support   Loopback Interface   Hostnames   Guest LAN(Guest WFR)   Static Routes   CoS   Interfaces   Online mode   Keep Allve	Mobile	Enable		
Wred WANPIN codeImage: Constraint of the second of t	LAN	Mobile connection	DHCP mode v	
WAN IPv6     Import Impor	Wired WAN	PIN code		
Interfaces     Dialing number     99#       WF-F     AP     Jonet       Firewall     AP     Jonet       Switch     Authentication method     None       DHCP and DNS     Dual APN suppor     I       Diagnostics     Dual APN suppor     I       Dynamic Routing     Lock to network     All       Loopback Interface     Network Type     automatic       Hostnames     I     I       Guest LAN(Guest WiF)     Mone     I       Kep Allve     I     I       Looptack     One     I	WAN IPv6			
W-Fi     APN     Jonet       Firewall     Authentication method     None       Switch     Authentication method     None       DHCP and DNS     Dual APN suppor     Image: Smitch and	Interfaces	Dialing number	*99#	
Firewall     Johne       Switch     Authentication method     None       DHOP and DNS	Wi-Fi	ADN	lignet	
Switch     Authentication method     None       DHCP and DNS     Dual APN support       Diagnostics     Dual APN support       Dynamic Routing     Lock to network       Loopback Interface     Network Type       Hostnames     Network Type       Guest LAN(Guest WiF)     MTU       Static Routes     Online mode       Cost     Online mode       Itopy Antermask     0	Firewall	APN	Jionet	
DHOP and DNS   Diagnostics   Dual APN support   Dynamic Routing   Lock to network   All   Loopback Interface   Hostnames   Guest LAN(Guest WiF)   Static Routes   QoS   Online mode   Keep Alive   Looptack   IPV4 netmask   IPV4 netmask	Switch	Authentication method	None v	
Diagnostics     Dual APN support       Dynamic Routing     Lock to network       Loopback Interface     Network Type       Hostnames     automatic       Guest LAN(Guest WiFi)     MTU       Static Routes     Online mode       Gos     Online mode       Itop termine     generative	DHCP and DNS			
Dynamic Routing     Lock to network     All       Loopback Interface     Network Type     automatic       Hostnames     MTU     1500       Static Routes     Online mode     Keep Alive       Loopout     Metric     0       IPV4 netmask     256.255.256.0     V	Diagnostics	Dual APN support		
Loopback Interface     Network Type     automatic       Hostnames     automatic     •       Guest LAN(Guest WHP)     MTU     1500       Static Routes     Online mode     Keep Alive       CoS     Metric     0       IPv4 netmask     256.255.256.0     •	Dynamic Routing	Lock to network	All	
Hostnames     Network iype     automatic       Guest LAN(Guest WiFi)     MTU     1500       Static Routes     Online mode     Keep Alive       CoS     Online mode     V       Logout     Metric     0       IPv4 netmask     255.255.5.0     Y	Loopback Interface			
Guest LAN(Guest WiFi)     MTU     1500       Static Routes     Online mode     Keep Alive       Logout     Metric     0       IPv4 netmask     255.255.0.     T	Hostnames	Network Type	automatic	
Static Routes     Online mode       QoS     Online mode       Logout     Metric       IPv4 netmask     255.255.50	Guest LAN(Guest WiFi)	MTU	1500	
Cos     Online mode     Keep Alve       Logout     Metric     0       IPv4 netmask     255.255.0.     T	Static Routes			
Logout         Metric         0           IPv4 netmask         255.255.25         V	QoS	Online mode	Keep Alive	
IPv4 netmask 255.255.0 ¥	ogout	Metric	0	
		IPv4 netmask	255.255.255.0 <b>v</b>	

### LAN Configuration Network → LAN

Here Configure LAN IP & netmask and Save & Apply.

Status	Interfaces	- LAN			
System	On this page you ca separated by space	an configure the	e network in o use VLAN	nterfaces. You can br	idge several interfaces by ticking the "bridge interfaces" field and enter the names of several network
Services					
Network	Common Cor	nfiguration			
Operation Mode	General Setup	Advanced S	Settings	Physical Settings	Firewall Settings
Mobile				ыđ	Hedrace Ob Zee 44-
LAN		Status		br-lan	MAC-Address: 90:22:06:80:08:37
Wired WAN					RX: 248.02 KB (3333 Pkts.)
WAN IPv6					IA. 005.24 KD (2212 PKIS.) IPv4: 172.16.2.1/24
Interfaces					IPv6: fdda:dd4c:d465::1/60
Wi-Fi					
Firewall		Protocol	Static add	lress	
Static Routes	Really swite	ch protocol?	Switc	h protocol	
Switch					
DHCP and DNS	IF	Pv4 address	172.16.2.1	1	
Diagnostics	IP	v4 netmask	255.255.2	55.0	
Loopback Interface			L		

#### Firewall

Network  $\rightarrow$  Firewall  $\rightarrow$  Security.

1) Select Allow option from side box SSH access from WAN.

2) Select Allow option from side box Ping from wan to LAN.

3) Tick the box of Enable telnet

Status	General Settings Port Forwards Traffic Rules Source NAT DMZ Security
System	Suntan Countin Confirmation
Services	System Security Configuration
Network	SSH access from WAN Allow
Operation Mode	Ping from WAN to LAN Allow
Mobile	
LAN	Enable telnet 🔍
Wired WAN	
WAN IPv6	HTTPS Access
Interfaces	HTTPS port 4/43
Wi-Fi	
Firewall	HTTPS access from WAN Allow
Static Routes	
Switch	Kemote network

#### Firewall

Network  $\rightarrow$  Firewall  $\rightarrow$  Traffic Rules.

1) Allow All LAN Ports Enable Check Box and Save & Apply.

2) Open ports on router for Telnet (Name: Telnet, Protocol: TCP+UDP, External Port: 23) first need to click on add button then Save & Apply.

3) Open ports on router for BGP (Name: BGP, Protocol: TCP+UDP, External Port: 179) first need to click on add button then Save & Apply.

Status	General	Settings Po	rt Forwards	Traffic Rul	es Source NAT	r DMZ	Security						
System	Eirou	all Troff	io Dulos										
Services	Traffic rules	dii - Italii	or nackets trav	elina between	a different zones, for	example to r	eiect traffic l	between certain hosts or	to open WAN	ports or	the ro	iter	
Network	Traine Taree	actine policico le	n paonoto dan	sing section		onumpio to i	ojoot tidino i			porto or			
Operation Mode	Traffic I	Rules											
Mobile	Name	Match						Action	Enable	Sort			
LAN	(a	Any traffic						Account forward					
Wired WAN	Allow- All-LAN-	From any host i To any host, por	n wa <i>n</i> ts 1-65535 in <i>la</i>	an				Accept forward		•	٠	Z Edit	× Delete
WAN IPv6	Ports												J
Interfaces	Allow-	IPv4-UDP From any host i	n wan					Accept input	<b>V</b>		•	Z Edit	× Delete
Wi-Fi	DHCP- Renew	To any router IP	at port 68 on #	nis device									
Firewall	Renew												
	Allow- SNMP- Remote- Access	From any host i To any router IF	n wan ° at port 161 on	this device						•	•	Edit	X Delete
	Name		Protocol		External port								
	Telnet		TCP+U	DP	23		Add						
	New for	ward rule:											
	Name		Source z	one	Destination zone								
			lan	•	wan	Add	and edit	]					
						Sav	ve & Apply	Save Reset					E

Allow- SNMP- Remote- Access	Any UDP From <i>any host</i> in wa To <i>any router IP</i> at p	n ort 161 on this de	vice			Accept inp	out	•	Z Edit	× Delete
Telnet	Any TCP, UDP From any host in wa To any router IP at p	n ort 23 on this devi	ice			Accept inp	out	•	Z Edit	X Delete
Open po	rts on router:									
Name		Protocol		External port						
BGP		TCP+UDP	•	179	Add 1					
New for	vard rule:									
Name		Source zone		Destination zone						
		lan	•	wan	Add and edit					÷
					Save & Apply	Save	Reset			_

After click on add button you can see Telnet port and BGP port open in Traffic Rules.

Acces	55	-							· · · · · · · · · · · · · · · · · · ·
Telnet	Any TCP, UDP From any host in war To any router IP at po	n ort 23 on this device			Accept input	V	•	Z Edit	💌 Delete
BGP	Any TCP, UDP From any host in war To any router IP at po	n ort 179 on this device			Accept input		•	Z Edit	× Delete
Open	n ports on router:								
Name	Ð	Protocol	External port						
New		TCP+UDP		Add 📩					E
New	forward rule:								
Name	e	Source zone	Destination zone						
New		lan 💌	wan	Add and edit					
				Save & Apply	Save Reset				

Dynamic Routing Network→ Dynamic Routing. 1) Tick the box of Enable Zebra.

2) Tick the box of Enable BGP.

3) Save and Apply.

					UNSAVED CHANGES: 15	
Status	Dynamic F	Routing				
System	Zehra					
Services	20014	Enable				
Network		Lindbio				
Operation Mode		Password	zebra	٩		
Mobile						
LAN	OSPE					E
Wired WAN	0011	Enable				
WAN IPv6		Lilable				
Interfaces		Password		٩		
Wi-Fi						
Firewall	OSPER					
Static Routes	USFFU	Fachle				
Switch		Enable				
DHCP and DNS		Password		٩		
Diagnostics						
Loopback Interface						
Hostnames	RIP					
Loopback Interface	DID		Fallen 1			
Hostnames	RIP		_			
Dynamic Routing		Enable				
Guest LAN(Guest WiFi)		Password	••••	٩		
QoS						
Logout						
	RIPng					
		Enable				
		Password	•••••	٩		
	BGP					
		Enable				
		Password	zebra	٩		E
					Save & Apply Save Reset	
					كننتك كتنب فتعاد	

# Telnet TR-1902 LTE Router via local LAN IP.

- 1) Local Username: router Password: admin!@#.
- 2) Again Tenet local LAN with BGP port no 2605 and type password zebra.
- **3)** Here can do BGP Configuration via cmd.

R PuTTY Configuration		<b>X</b>
Category:		
Session	Basic options for your PuTTY se	ssion
	Specify the destination you want to conne	ct to
Keyboard	Host Name (or IP address)	Port
Bell	172.16.2.1	23
Features ⊡ Window	Connection type:	H 🔘 Serial
Appearance Behaviour Translation Selection	Load, save or delete a stored session Saved Sessions	
Colours Connection Data Proxy Telnet Rlogin SSU	Default Settings 10.227.245.29	Load Save Delete
terial	Close window on exit:	lean exit
About	Open	Cancel