USER MANUAL

S9922L Series Mobile Router



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GENERAL CONFIGURATION

Use Ethernet port directly connected to S9922L Router and computer, or transferred by a switch.

This method will temporarily interrupt the communication between the computer under configuration

and LAN, and the specific parameter configuration is shown as below:

IP address: 192.168.1.* (*indicates any integral between 2 to 254)

Subnet mask: 255.255.255.0

Default gateway: 192.168.1.1

← → C ③ Not secure | 192.168.1.1

		Control Panel
Status	System Information	
System Info	Router	
Modem/WAN	Device Name	Industrial Cellular Router
LAN	Router Model	S9922XL
WLAN	Serial No	9922XL1907150074
Router Table	Firmware Version	16.10.3(2683)
Network	Hardware Version Current Time	1.0 Tue, 24 Sep 2019 19:34:01
Forward	Uptime	2 Min.
VPN	Load Average	0.08, 0.03, 0.00
Security	Total 125600 kB / 1	131072 kB 96%
Monitoring	Available	
DTU(IP Modem)	Free 110468 kB / 1	125600 kB 88%
	Used 15132 kB / 12	25600 kB 12%
System	Buffers 1284 kB / 151	132 kB 9%
	Cached 4140 kB / 151	132 kB 28%
	Active 3100 kB / 151	132 kB 21%
	Inactive 3376 kB / 151	132 kB 22%

Follow the steps below to reboot the device and single click the **Reboot** icon.

System > Reboot > Reboot

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	ON	Connecting Machine	Control Panel	
Status	Reboot			
Network			Reboot	
Forward				
VPN				
Security				
Monitoring				
DTU(IP Modem)				
System				
Password				
Management				
System Time				
Reboot				
Configure				
Upgrade				
SysLog				
NetTest				

1. WAN SETTINGS

S9922L Router core function is connecting to a desired network (corporate or internet) by cellular connection. Usually 3G/LTE network bandwidth is (Depending on the operators' infrastructure) between $1\sim$ 300 Mbps

Network > Modem/WAN

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\leftrightarrow \rightarrow C \odot Not secure 192.168.1.1							
		lachine Contr	Sign in http://192.16 Your connect	58.1.1 tion to this site is not private			
Status	System Information		Username	admin			
System Info	Router						
Modem/WAN	Device Name	Industrial Cellular Router	Password				
LAN	Router Model	S9922XL					
WLAN	Serial No	9922XL1907150074			Sign in Cancel		
Router Table	Firmware Version	16.10.3(2683)]	
Network	Hardware Version	1.0					
Network	Current Time	Tue, 24 Sep 2019 19:34:57					
Forward	Load Average	0.03, 0.02, 0.00					
VPN	Managa						
Security	Total 125600 kB / 13107	2 kB 96%	_				
Monitoring	Available						
	Free 110468 kB / 12560	0 kB 88%					
DIU(IP Modem)	Used 15132 kB / 125600	kB 12%					
System	Buffers 1284 kB / 15132 kl	9%					
	Cached 4140 kB / 15132 kB	28%					
	Active 3100 kB / 15132 kB	21%					
	Inactive 3376 kB / 15132 kB	22%					

Single click "Modem/WAN" to access modem parameter settings section.

Single click "save" icon to finish.

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	Connecting M	achine OOIIIIOII a	
atus M	odem/WAN		
work	ink Backup		
	hink backup	Main First(Automatic rature to Main)	Autual Dramanation Mode
m/WAN E	iackup Mode	Main First(Automatic return to Main) N	viutual Preparation Mode
AN	INK Fail to Restart	To minutes (0: Disabled)	
LAN	lodem/WAN - Main Link		
Server	Connection Type	2G/3G/4G-PPP •	
SNS S	IM Switch/Reset	90 Sec.	
ress Clone	ilM Backup	🔵 Enable 💿 Disable	
DNS N	/ain SIM	SIM1 SIM2	
	SIM 1:		
ward	Jser Name	••••	Unmask Unmask
PN	assword	••••	Unmask
	Dial String	*99***1# (UMTS/3G/3.5G) V Custom	
urity	APN .	3gnet	
toring	PIN	Unmask PIN Protection	
	letwork Mode	Auto 🔻	
Modem)	SIM 2:		
tem	Jser Name		📃 Unmask
	assword		Unmask
0	Dial String	*99***1# (UMTS/3G/3.5G) v Custom	
l l	APN	3gnet	
F	PIN	Unmask PIN Protection	
1	letwork Mode	Auto 🔻	
	Others:		
4	Authentication	🖉 PAP 🕑 CHAP 🕑 MS-CHAP 🕑 MS-CHAPv2	
F	ixed WAN IP	🔵 Enable 💿 Disable	
F	ixed WAN GW Address	Enable Disable	
F	orce reconnect	🔵 Enable 💿 Disable	
	Connect Fail	1 TimesSwitch	
C	Dial Fail to Restart	10 minutes (0 : Disabled)	
L	een Alive		
	een Alive Server ID		
	Coop Alive Jerver IP2	60.505	
	een Alive Fail	1 Timos Switch	
	keep Alive Fall	Innesswitch	
	lodem/WAN - Backup Link		
(Connection Type	Disabled •	
	ptional Settings		
[Device Name	Industrial Cellular Router	
H	lost Name		
[Oomain Name		
N	ATU	Auto 1500	

Click to see the IP received WAN connection.

Status > Modem/WAN

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S9922L SERIES MOBİLE ROUTER

					
		achine	Control P	anel	
Status	Modem/WAN				
System Info	Modem				
Modem/WAN	Module IMEI				
LAN	SIM No.	SIM1			
WLAN	Status of SIM	ОК			
Router Table	IMSI of SIM				
Network					
F amurad	Signal Status	-61 dbm			
Forward	Network	FDD LTE			
VPN	Net control status	Connect			
Security	Click to Connect/Disconnect	Disconnect			
Security	Modem				
Monitoring	Modem/WAN - Main Link- C	urrent		Modem/WAN - Backup Link	¢
DTU(IP Modem)	Connection Type	2G/3G/4G-PPP		Connection Type	Disabled
System	Connection Time				
	IP Address				
	Subnet Mask				
	Gateway				
	DNS				
			R	efresh	

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2. NAT SETTINGS

To connect to the interter via the S9922L, proceed as follows. After selecting Wan Nat as Enable and click the Save icon.

Forward > NAT

		necting Machine	Control Panel	
Status	NAT			
Network	NAT			
Forward	Wan Nat	🖲 Enable 🔵 Dis	able	
Static Routing	STP	🔵 Enable 💿 Dis	able	
Forwarding			Save Apply Cancel	
NAT				
VRRP				
VPN				
Security				
Monitoring				
DTU(IP Modem)				
System				

3. LAN SETTINGS

LAN settings are used to manage local area network units which are connected to a S9922L Router, make them reach to the desired network or internet regarding the network topology. Follow the steps below to change the existing LAN IP block or add another IP block. Enter the IP block you have specified and click Save.

Netwok > LAN

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	ON Connecting Machine Control Panel
Status	LAN
Network	Router IP
Modem/WAN	Local IP Address 192 168 1 1
LAN	Subnet Mask 255, 255, 0
WLAN	Local DNS 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
DHCP Server	Local IP Address1 192 168 8 1
DDNS	Subnet Mask1 255, 255, 255, 0
MAC Address Clone	Local IP Address2 0 0 0 0
SDNS	Subnet Mask2 0 0 0 0
Forward	
VPN	Subnet Mask3 0 0 0 0
Security	Use Combo Ethernet Port as LAN
Monitoring	Use Combo Ethernet Port as
DTU(IP Modem)	LAN
System	Save Apply Cancel

DHCP is on in the default configuration. You can follow the steps below to configure the DHCP settings.

Network > DHCP Server

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	ON Connecting Ma	Co l	ntrol Panel		
Status	DHCP Server				
Network	Network Address Server Setti	ngs (DHCP)			
Modem/WAN LAN WLAN DHCP Server DDNS MAC Address Clone SDNS	DHCP Type DHCP Server Start IP Address Maximum DHCP Users Client Lease Time Static DNS 1 Static DNS 2 Static DNS 3 WINS	DHCP Server Disable Disable 192.168.1. 100 50 1140 1100 50 1140 0	0 (Priority is higher than DN 0 0 0	S obtained form WAN)	
Forward	Advanced				
VPN Security Monitoring DTU(IP Modem)	No DNS Rebind Additional DNSMasq Options	Enable Disable			
System	Statically Assigned				
	Static Address Setting Max rule number:16 Number Name	MAC Address	Host Name None	IP Address	Client Lease Time
	Select All Delete				
	Name MAC Address Host Name IP Address Client Lease Time	minutes	(xccxccxccxcxx) (optional) (0 : Disabled) Save Apply Cancel		

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