



Application Guide

---Radius and Tacacs+



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Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2020.09.02	First Release

1 Overview

Hongdian routers provide Radius and Tacacs+ authentication, this function allows only Radius authenticated accounts to log in to the device.

Since the configuration steps of Tacacs+ and Radius are the same, this guide uses Radius as an example, here I will introduce how to log in to the device using Radius.

2 Description

2.1 Config Radius

Please make sure the router is connected to the internet

Modem:

Modem	
Modem Select	0
Up Time	493 seconds
Modem Status	connected
Network Type	fdd-lte
Signal	(23)
IP Address	10.192.177.229
DNS	120.196.165.7
SIM Select	sim1
SIM Status	ready
SIM ICCID	898600001920C7493413
SIM IMSI	460020175130698
LAC	10138
CELL ID	53750415
RSRP	-101
SINR	-1
Operator	CHINA MOBILE
Band	LTE BAND 3

Configure Radius on the device.

Network IPv6 **Applications** VPN Forward Security System Status Logout

ICMP Check DDNS DTU/MODBUS SNMP SMS **Radius** Tacacs+ VRRP SIM Select Schedule M2M

Help

Server IP or Domain: 47.88.149.108 (Max length is 64)

Server Port: 1812 (1-65535)

Secret: •••••••• (Max length is 64)

Source Interface: default

Save Refresh

Advice:
The default port is 1812

Configuration Radius Server (Hongdian Wedora support this feature)
The device is registered on the wedora and assigned to the corresponding group.

Tree Monitor list Offline list SNMP UPS GIS Not import device Recycle bin Manage fields

1/7/8 Online/Offline/Total

1/0 Online today/yesterday

0 Task Reboot | Config | Upgrade

0 Alarm today

05190001

Term sn	Online Status	Device Type	Soft version	ICCID	Online rate(%)	First login	Last Interact
8922SL2005190001	Online	MQTT	V7.2.1_SE_T1_200618	898600001920C749341	2.45%	05/29 10:10	09/14 17:50

Total of 1, 10 per page

Configure Radius username and password for the group.

Tree Monitor Group User Auth Resource Log Manage Custom componets History **Radius Manage** License Setting

Radius list

Search Add Edit Delete

UserName	Authority	Group
admin	admin	Billy
True02	admin	True
True03	guest	True

Total of 3, 13 per page

Login the device with Radius account.

Username: admin

Password: •••••

Radius Authentication

Login

```
[C:\~]$ telnet 192.168.8.1

Connecting to 192.168.8.1:23...
Connection established.
To escape to local shell, press 'Ctrl+Alt+]'.

User Access Verification

Entering 'radius'/'tacacs+' for server authentication

Router CLI

Username: radius

Radius Verification

Radius-Username: admin
Radius-Password:
Router>
Router> █
```

2.2 Configure Tacacs+

Configure Tacacs+ on the device.

The screenshot shows a web management interface with a navigation bar at the top containing tabs for Network, IPv6, Applications, VPN, Forward, Security, System, and Status. A 'Logout' button is on the right. Below the navigation bar is a secondary menu with tabs for ICMP Check, DDNS, DTU/MODBUS, SNMP, SMS, Radius, Tacacs+, VRRP, SIM Select, Schedule, and M2M. The 'Tacacs+' tab is highlighted with a red box. The main content area has a 'Help' button on the right. The configuration form includes two input fields: 'Server IP or Domain' with the value '1.1.1.1' and a note 'Max length is 64', and 'Secret' with masked characters '*****' and a note 'Max length is 64'. Below the form are 'Save' and 'Refresh' buttons. An 'Advice' section on the right states 'The default port is 49'.

Login the device with Tacacs+ account.

The screenshot shows a login form with two input fields: 'Username' with the value 'admin' and 'Password' with masked characters '*****'. Below the password field is a checked checkbox labeled 'Tacacs+ Authentication'. At the bottom of the form is a 'Login' button.

```
[C:\~]$ telnet 192.168.8.1

Connecting to 192.168.8.1:23...
Connection established.
To escape to local shell, press 'Ctrl+Alt+].

User Access Verification

Entering 'radius'/'tacacs+' for server authentication

Router CLI
Username: tacacs+


Tacacs+ Verification
Tacacs-Username: [
```





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