



Application Guide

Modem Keepalive Configuration



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Revision History

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

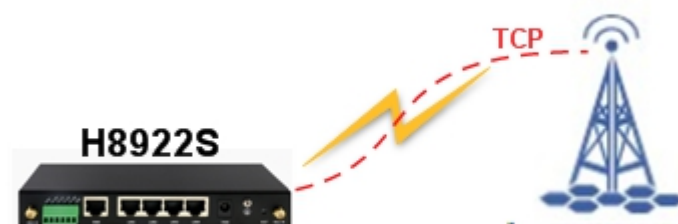
Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2017.08.23	First Release
V2.0	Hongdian Router	2020.09.03	

1 Overview

The modem keepalive is used to maintain data traffic interaction between the device and the base station to ensure that the base station will not kick off the Modem due to a long period of time without traffic, resulting in the device falling offline or replaying, and to ensure that the device remains stable online for a long time.

2 Description

2.1 Topology



2.2 Hongdian Setup

- Let the PC connect to the router and browse into the router's configuration web page. Enter "Network->Modem" page and click "Mod" button to configure keepalive function.

The screenshot shows the router's configuration interface. The top navigation bar includes 'Network', 'IPv6', 'Applications', 'VPN', 'Forward', 'Security', 'System', and 'Status'. Below this, a secondary bar has 'LAN', 'WAN', 'WLAN', 'Modem', 'Parameter Select', 'Network Type', 'Link Backup', and 'Link Swi'. The 'Modem' tab is selected. Below the navigation is a table with columns: Interface Name, APN, Service Code, Username, Simcard, and Operation. The first row has '0' in the Interface Name column, '----' in APN, '----' in Service Code, '----' in Username, 'SIM1' in Simcard, and three buttons: 'Mod', 'Del', and 'En'. The 'Mod' button is highlighted with a red box. Below the table are 'Add' and 'Refresh' buttons.

- Click the "Display" button to set the modem keepalive function

The screenshot shows the router's configuration interface for the 'Modem' tab. The top navigation bar is the same as in the previous screenshot. Below it, the 'Auto-Dialup' section has 'Enable' and 'Disable' buttons. The 'Basic Settings' section contains several fields: Interface Name (0), APN, Service Code, Username, Password, PIN, Operator (auto), Network Type (fdd-lte), Protocol Type (ipv4), and Simcard (SIM1 selected). The 'Display' button is highlighted with a red box. Below the settings are 'Save' and 'Return' buttons.

- Set the Keepalive to “on” and input the check ip address and port on “Address” and “port”,if you don’t set the check port,will use the TCP 22 port as the default value

Network	IPv6	Applications	VPN	Forward	Security	System	Status
LAN	WAN	WLAN	Modem	Parameter Select	Network Type	Link Backup	Link Sw

Auto-Dialup

Basic Settings

Interface Name * Max length is 12

APN Max length is 39

Service Code Max length is 64

Username Max length is 64

Password Max length is 64

PIN Max length is 64

Operator

Network Type

Protocol Type

Simcard SIM1 SIM2

Advanced Settings

Dail Method

Connection mode

Keepalive

Keepalive

Address eg: 192.168.8.1

Port 1-65535

Interval 1-65535





Create smart things



Contact us

 F14 - F16, Tower A, Building 14, No.12, Ganli 6th Road, Longgang District, Shenzhen 518112, China.

 +86-755-88864288-5

 +86-755-83404677

 hongdianchina

 www.hongdian.com

 sales@hongdian.com

 Hongdian_China