



Application Guide

M2M 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.

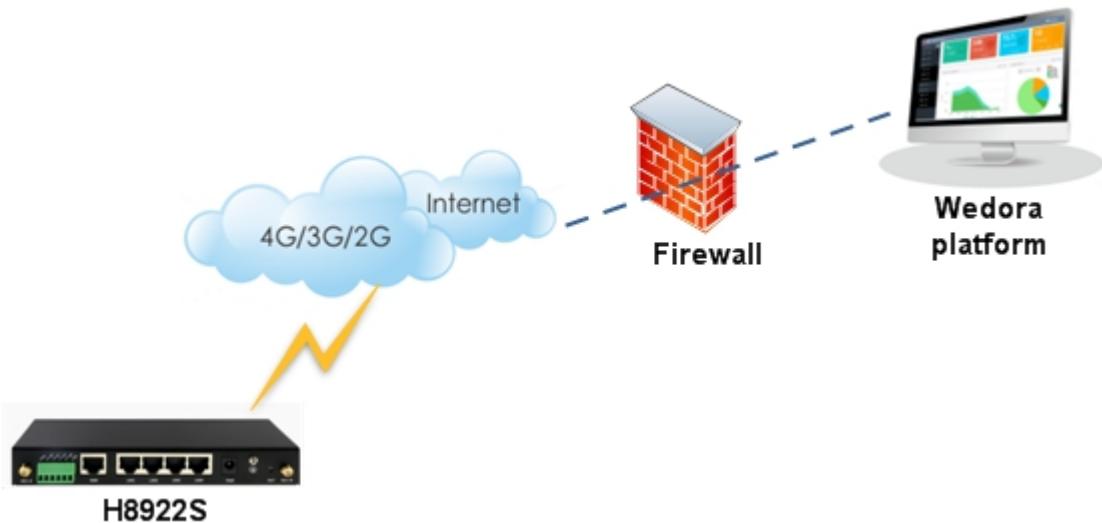
Doc Version	Product	Release Date	Details
V1.0	Hongdian Router	2017.08.23	First Release
V2.0	Hongdian Router	2020.09.03	

1 Overview

The router has embedded a WMMP and MQTT protocol to realize communication with M2M (Machine-to-Machine) platform which can remotely monitor and manage the routers and its network, e.g. visit the router, patch upgrading, firmware upgrading, parameter configuration, monitor the network strength, time delay, flow.

2 Description

2.1 Topology



2.2 Hongdian Setup(MQTT)

The screenshot shows the 'Applications' tab selected in the top navigation bar. The 'M2M' tab is highlighted with a red box. Below the tabs, there is a section for 'M2M Service' with 'Enable' and 'Disable' buttons. The main area is titled 'Basic Settings' and contains the following fields:

Protocol	mqtt
Server IP or Domain	47.88.149.108
Server Port	55555
Auth Type	none
Data Encryption	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Status	connected

At the bottom are 'Save' and 'Refresh' buttons.

2.3 Hongdian Setup(WMMP)

The screenshot shows the 'Applications' tab selected in the top navigation bar. The 'M2M' tab is highlighted with a red box. Below the tabs, there is a section for 'M2M Service' with 'Enable' and 'Disable' buttons. The main area is titled 'Basic Settings' and contains the following fields:

Protocol	wmmp
Source Interface	default
Server IP or Domain	47.88.149.108
Server Port	5002
Auth Type	none
Data Encryption	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Status	connected

At the bottom are 'Save' and 'Refresh' buttons.

2.4 Check on platform

1. Logo in the wedora platform and find the device in “Not import device”

The screenshot shows the Wedora platform interface. At the top, there's a navigation bar with icons for Monitor list, Offline list, SNMP, UPS, k3 order, GIS, Not import device (which is highlighted with a red box), Recycle bin, and Manage fields. Below the navigation bar is a search bar containing the serial number '8922XQ2003050039' and a search button. To the right of the search bar are 'Add' and 'Delete' buttons. The main area displays a table with columns: Term sn, Signal, Network type, and Last Connect. One row is visible, showing '8922XQ2003050039' in the Term sn column, '---' in the Signal column, '---' in the Network type column, and '2020-09-17 11:14:44' in the Last Connect column. At the bottom, there are pagination controls (page 1 of 1, 10 items per page) and a message 'Total of 1 , 10 per page'.

2. Choose the device and add to one group

This screenshot shows the 'Adjust group' dialog box. It has a 'Group name' input field containing 'Default Group' (highlighted with a red box). At the bottom right of the dialog, there are 'Cancel' and 'Confirm' buttons, with 'Confirm' highlighted by a red box. The background shows the same Wedora interface as the previous screenshot, with the device '8922XQ2003050039' selected in the list.

3. Check the device online in the group

This screenshot shows the device details page for '8922XQ2003050039'. The top navigation bar includes options like Remote, Term file, Reboot, Upgrade, Param, More, and Device manage. The main table has columns: Term sn, Online Status, Device Type, Soft version, ICCID, Online rate(%), First login, and Last Interact. The 'Online Status' column for the device shows 'Online' (highlighted with a red box). Other details include Device Type 'MQTT', Soft version 'V7.2.1_SE_200416', ICCID '89860320757557542015', Online rate(%) '0.00%', First login '09/17 11:21', and Last Interact '09/17 11:22'.



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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](https://twitter.com/Hongdian_China)