Application Guide
WAN/LAN VLAN Configuration

Contents

Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.
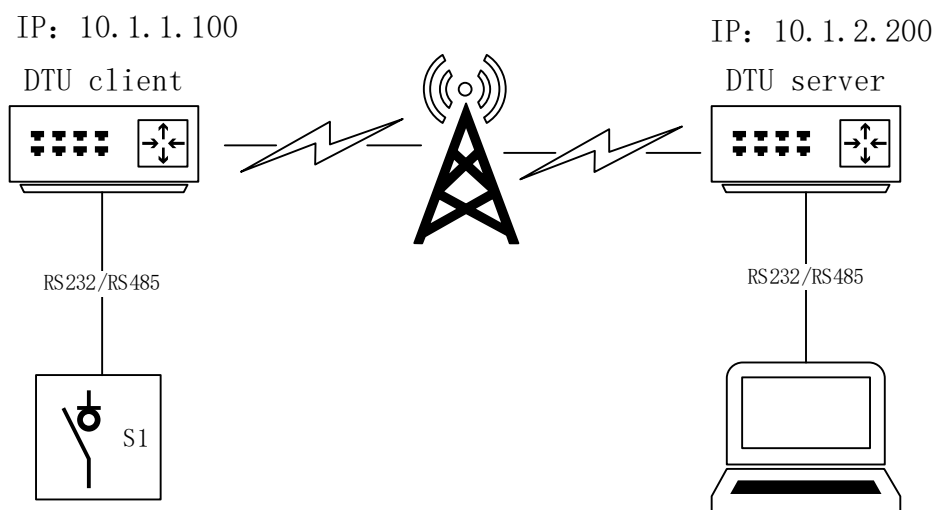
Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2022.07.07	First Release

1 Overview

The routers with serial ports can be used as DTU mode (Data Terminal unit), and two routers can use as remote data transmission client and server to achieve the effect of remote transmission of serial data.

2 Description

2.1 Test Topology

2.2 Client Setup

1. Connect the device and the router with the serial cable and log in to the router management page: 192.168.8.1
2. Click **Applications - DTU/MODBUS**, refer to the following diagram for configuration

TIP: Please make sure to connect the correct serial port, some devices support 2*RS232, some devices support 1*RS232 + 1*RS485, if DDNS is used, ensure that the domain name address is correctly resolved.

2.3 Server Setup

1. Connect the device and the router with the serial cable and log in to the router management page: 192.168.8.1

2. Click **Applications - DTU/MODBUS**, refer to the following diagram for configuration

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

ICMP Check	DDNS	DTU/MODBUS	GPS	SNMP	SMS	Radius	Tacacs+	VRRP	Schedule	M2M

Help

DTU Service   Enable Disable

Connection Type   dtu ▾

Work Mode:
When the work mode is set to "Server", you should set the local port number at the same time.In other modes,when the local port is empty ,then router will get it randomly.

Basic Settings

Work Mode   Server ▾

Local Port   2088   * 1-65535

Protocol   ⦿ TCP ◯ UDP ◯ MQTT

Received Timeout   50   * 1-65535 ms

Serial Data Timeout   50   * 1-65535 ms

Data Center:
When the work mode is set to "Server", you do not need to configure the server ip.

Login packets Settings:
When login package configuration for hexadecimal, login content to begin with "0x" or "0X"to be marked, such as "0x123abc" or "0X123abc"
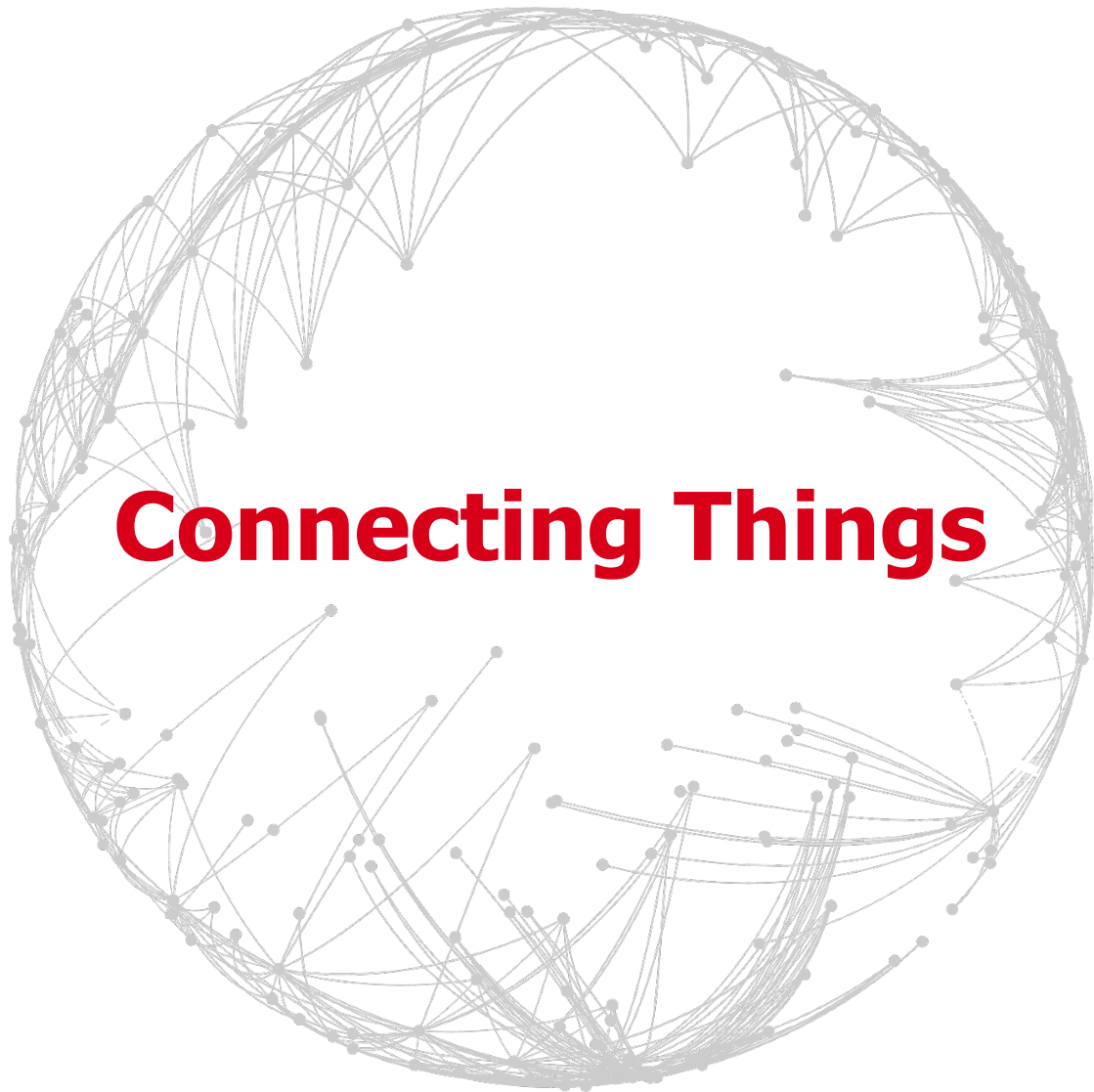
Heartbeat Settings:
When heartbeat package configuration for hexadecimal, heart content to begin with "0x" or "0X"to be marked, such as "0x123abc" or "0X123abc"

Serial Setting

type   ⦿ RS232 ◯ RS485

Rate   9600 ▾

Parity   none ▾

Databits   8 ▾

Stopbits   1 ▾

Modbus Mode:
Work mode could be set to master or slave mode with RTU/ASCII

Modbus Master Setting:
In master mode,you could configure MAX eight server for slave

Save   Refresh

Connecting Things

Contact US

Hongdian Corporation

Add: Tower A, Hongdian Building, 100 Huabao Road, Pinghu, Longgang District, Shenzhen, China

Tel: +86-755-88864288-2　　　　　**Fax:** +86-755-83404677　　　　　**E-mail:** Sales@hongdian.com