# **Application Guide**

# WAN/LAN VLAN 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	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.

#### Application Guide - WAN/LAN VLAN Configuration

Network IPv6 Applications	5 VPN	Forward	Secu	rity Sy	stem	Status		Log	gout	
ICMP Check DDNS DTU/MOD	BUS GPS	SNMP	SMS	Radius	Tacacs	+ VRRP	Schedule	M2M		
							Help			
DTU Service Connection Type	Enable Disa	able					Work Mod When the v "Server", yo port numbe other mode empty ,then randomly.	le: vork mode is set to ou should set the local er at the same time.In is,when the local port i n router will get it	is	
Basic Settings Work Mode	Client	•					Data Cent When the v "Server", yo configure th	er: vork mode is set to ou do not need to he server ip.		
Local Port Protocol Channel Type Received Timeout	2099 TCP  TREBLE 50	UDP O MQ O BACKUF	1-65 2Π * 1-	65535 ms			Login pack When login for hexaded begin with marked, su "0X123abc	kets Settings: package configuration cimal, login content to "0x" or "0X"to be ch as "0x123abc" or	1	
Serial Data Timeout	50		* 1-	65535 ms	J		Heartheat	Settings		
Serial Setting							When heartbeat sectings: When heartbeat package configuration for hexadecimal, heart content to begin with "0x" or "0X"to be marked, such as "0x123abc" or "0X123abc"			
Rate Parity	9600 V						Modbus M Work mode or slave mo	l <b>ode:</b> could be set to maste ide with RTU/ASCII	sr	
Databits Stopbits	8♥ 1♥		J				Modbus M In master n	l <b>aster Setting:</b> node,you could IAX eight server for		
Data Center Configure							slave			
Server IP or Domain Server Port	10.1.2.200 2088		* M	ax length is 65535	64					
Server IP or Domain 2 Server Port 2			Max	length is 6	4					

## 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

#### Application Guide - WAN/LAN VLAN Configuration

Network IPv6	Applications	VPN	Forward	Secu	rity Sy	/stem	Status			Logout
ICMP Check DDNS	DTU/MODBUS	GPS	SNMP	SMS	Radius	Tacacs+	VRRP	Schedule	M2M	
								Help		
DTU Service Connection Type	[	Enable Dis dtu 🗸	able					Work Mod When the w "Server", yo port numbe other mode empty ,ther randomly.	e: vork mode ou should s r at the sa s,when th n router wi	is set to set the local ime time.In e local port is ill get it
Basic Settings						7		Data Cent When the w	e <b>r:</b> /ork mode	is set to
Work Mode	[	Server	~					configure th	ne server i	p.
Local Port	l	2088		* 1	-65535			Login pac	cets Setti	nas:
Protocol	r	● TCP ○	UDP 🔍 M	IQTT				When login	package o	configuration
Received Timeout Serial Data Timeout		50		* 1	-65535 ms -65535 ms			for hexadecimal, login content t begin with "0x" or "0X"to be marked, such as "0x123abc" or "0X123abc"		
Serial Setting type Rate	ſ	● RS232 9600 ¥	○ R5485	7				Heartbeat When heart configuratio heart conte "0X"to be n "0x123abc"	Settings beat pack on for hexa nt to begin narked, su or "0X123	: age idecimal, 1 with "0x" or ch as Babc"
Parity	[	none 🗙	1					Modbus M	ode:	
Databits	[	8 🗸						Work mode	could be a de with R	set to master TU/ASCII
Stopbits	[	1 🗸								
								In master n configure M slave	aster Set node,you o IAX eight s	<b>ting:</b> :ould :erver for
		Save	Refresh							



## **Contact US**

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