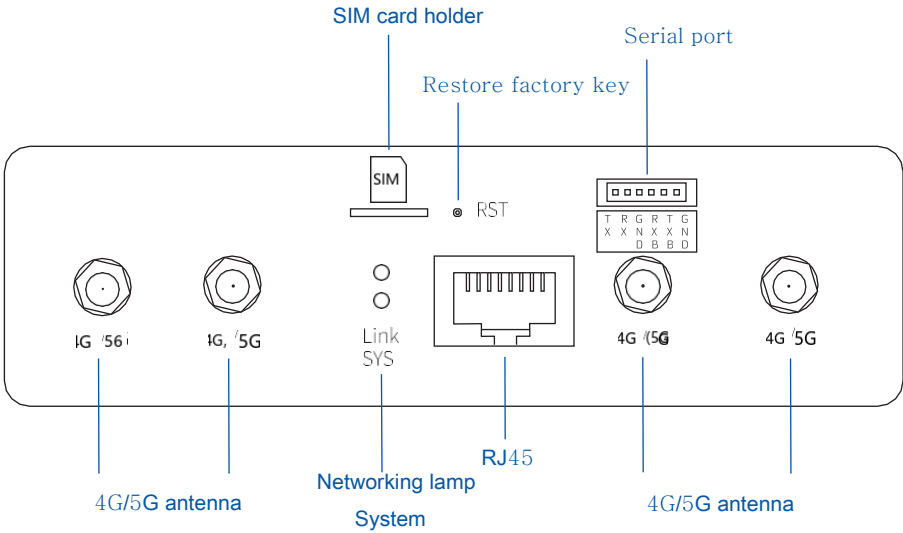


# T300-D28G

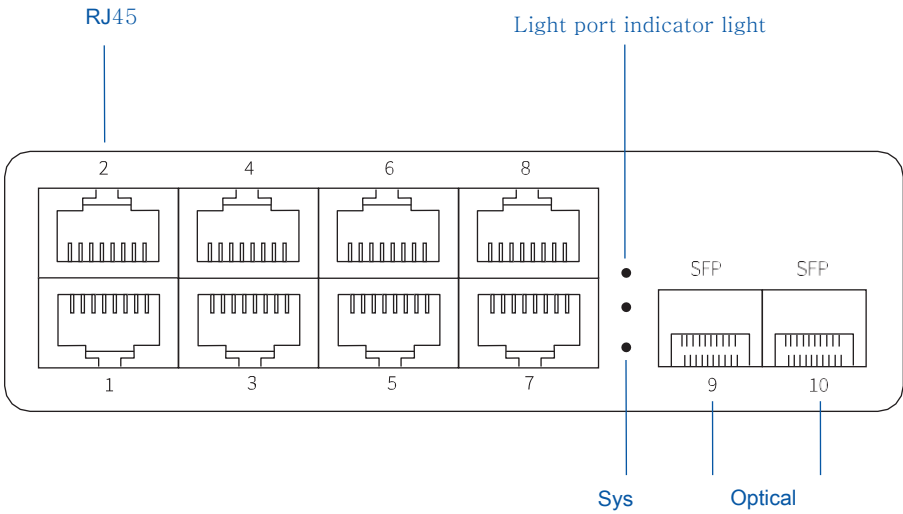


Hardware

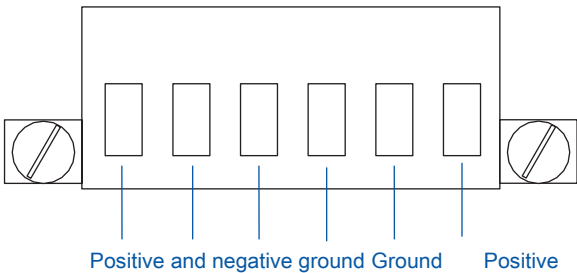
Front



Right side



Power supply description



FEATURES

Product

overview

4G/5G industrial grade wireless router is a high-performance wireless communication product developed based on the requirements of 4G/5G networks. It is mainly used for data transmission services of industry users, Support functions such as transparent data transmission, image transmission, device monitoring, and wireless routing for internet access. Adopting embedded high-performance CPU, it can be paired with various 4G industrial communication modules (TDD-LTE/FDD-LTE, SA/ NSA network). Provide Ethernet port WiFi wireless interface, serial port, can connect to various terminal devices. Supports WEB configuration, easy and simple management, and supports remote cloud control.

Product features

Adopt high performance industrial/G communication module
Support G-Sub (SA/NSA), G (FDD-LTE/TDD-LTE), G (WCDMA)
Metal housing, protection class IP
Standard gigabit adaptive RJ (Ethernet) interface, built-in lightning protection V
Software and hardware watchdog anti-crash design, automatic power-off restart after the router is disconnected, protect the stable and reliable operation of equipment, automatic detection of network disconnection, automatic restart of dialing failure, customized restart and other functions
Support the function of serial port transmission, through which you can enter the command control mode to control the router and ancillary equipment
Internal network penetration: port forwarding and DMZ support Pptp/L tpVPN Client.
Support cloud device management platform, support physical network device platform management, and support personalized software customization

Field of

applicatio

n

Electric Power Petroleum Coal Mine Finance Communication Public Security Heat Industry Control Meteorology Water Conservancy Traffic Municipal Administration

## Network

The way to surf the Internet	4G/5G dial-up (automatic APN, configurable), DHCP/STATIC/PPPOE dial-up
Network Protocol	TCP,UDP,IP ,ICMP,NTP,DNS,HT TP,HT TPS, ARP,PPP,PPPoE,UPnP,SSH,DHCP,Telnet client,PING
DHCP	Static and dynamic IP assignment
DDNS	Dynamic DNS with support for most service provider
File/Network Backup	Configuration files can be backed up,/G and DHCP/PPPOE/STATIC network backup, wired and/G network automatic switching

## Safe

Firewall	iptables
	Firewall Basic Policy

## VPN

PptpVPN Client	An Easy-to-Use Pptp VPN Client
LtpVPN Client	An Easy to Use LtpVPN Client

## Modbus slave

	Standard serial communication protocol, also available in Ethernet and other network versions supporting Internet Protocol (to be developed, customizable)
--	--

## MQTT

### Gateway

	Allows commands to be sent and data to be received from the MQTT master via the client (customizable)
--	---

## Administration

WEB UI	HTTP/HTTPS, Status, Configuration, Local Firmware Update, Troubleshooting, Syslog
FOTA upgrade	Server firmware update
SSH/TELNET	SSH, telnet
TR-069	OpenACS, EasyCwmp, ACSLite, tGem, Libre ACS, Genie ACS, Free ACS, LibCWMP, Friendly tech (to be developed, customizable)
SNMP network management	SNMP (V, V, V) customizable
Remote call protocol	API management based on HTTP/HTTPS (to be developed, customizable)
MODBUS	MODBUS TCP status/control (to be developed, customizable)

## Cloud services (IoT Internet of Things platform, device management platform)

IoT Internet of Things Platform	It can remotely realize the monitoring, management and mutual control between physical network devices of different manufacturers, and support private deployment and customization. For details, please contact us to allow monitoring: IOT device information (display according to the data type provided by the device manufacturer) and mutual control (control according to the instructions provided by the device manufacturer).
Device management platform	It can remotely realize the management, monitoring and control of routers, and support private deployment and customization. Please contact us for details.
	Allow monitoring: Wan type, WanIP mobile operator name, mobile signal strength, device model, version and serial number, ICCID, IMEI, wireless information, etc.

System characteristics

CPU	Mediatek, MT 1470, 1.4GHz
RAM	Mbits DDR (CPU built-in)
FLASH storage	16Mbits SPI Flash

Firmware/Conf

Configuration	Update firmware from local files; check firmware on server; configuration files; configuration backup; restore Update firmware/configuration from server
WEB UI /OTA	

Firmware

customization	Linux OS
Operating	Busybox shell, Lua, C, C++
system supported language	Provide SDK package of built-in environment (to be determined), and contact us to customize the development based on the requirement document
Development tools	

Power source

Connector	Needle. Mm industrial DC power socket
Input voltage range	12V~24V DC
power consumption	<20W Max , <10W Average , <1W Min

Physical interface (port, indicator, antenna, button, serial port, SIM)

Reset	XWan + xLan RJ45/Mbps, compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab Standard with Auto MDI/MDIX X BaseFX port (SFP interface)
indicator of	Factory reset button (press for a long time to restore the factory value in the power-on state)
Ethernet fiber port	Network status lights; optical port lights; system status lights; power light
SIM card slot	SIM card slots (NanoSIM) V/V standard push-type user card interface with built-in K V ESD protection
Power	Connectors, pin Mm industrial DC power socket
antenn	Standard SMA antenna interface: Cellular/G
a	Needle. Mm inner pin industrial terminal socket, supporting RS485 and RS485 standard protocol serial port
serial port	
port	

Physical specifications

Enclosure material	Aluminum housing with DIN rail mounting
Dimensions	
and	144*104*40 mm
weight	1000g

Operating Environment

Operating temperature	-20~70℃
Operating humidity	5%~95%, non-condensing IP
Inlet protection class	





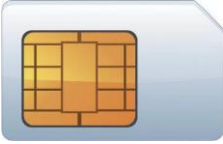
Regulation and certification

Regulation	CCC, CQC, Network Access Permit, Wireless Approval
------------	--

# What's in the box?

nclude \* = Gro

- Router T-D G
- W adapter
- X/G antenna (rotating, SMA male)
- Cat network cable (m)
- SIM card
- Quick Start Guide
- Packing box

		
Router T-D G	W US gauge adapter	X/G antenna (rotating, SMA male)
		
Cat network cable (m)		SIM <sup>car</sup>

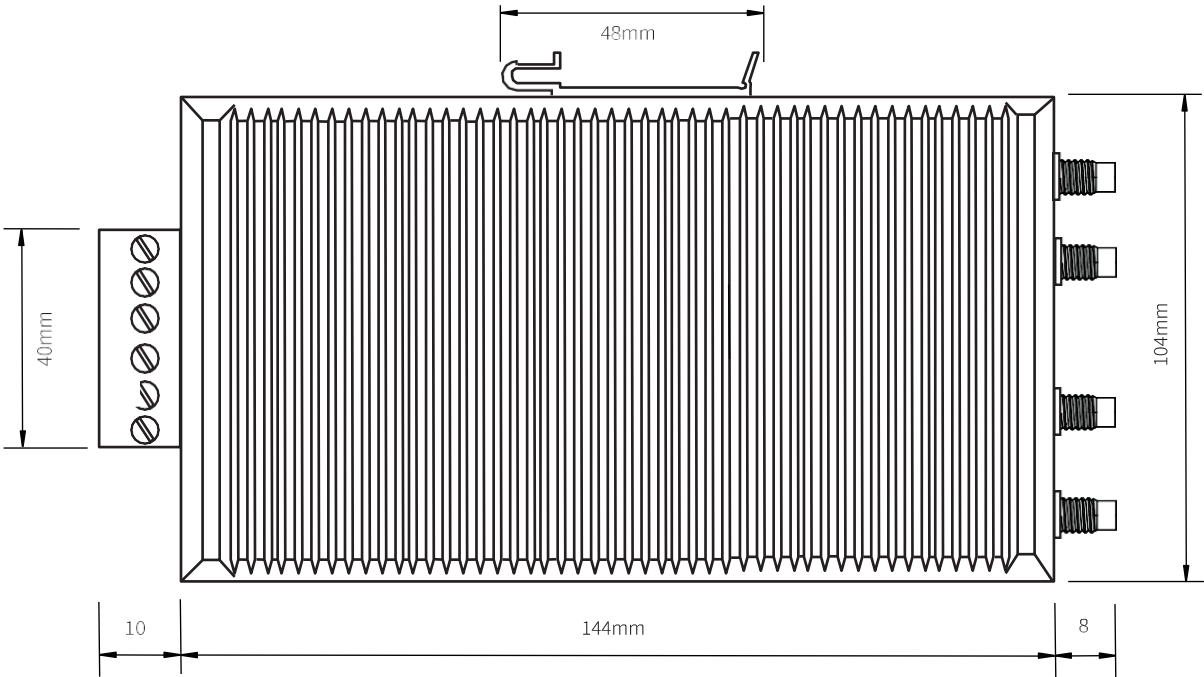
CN	China	<ul style="list-style-type: none"><li>● 5G(Sub-6):N1/28/41/78/79</li><li>● 4G(LTE-FDD):B1/3/5/8</li><li>● 4G(LTE-TDD):B34/38/39/40/41</li><li>● 3G(WCDMA):B1/8</li></ul>
EU	Europe Middle East Africa Asia Pacific Brazil	<ul style="list-style-type: none"><li>● 5G(Sub-6):N1/3/5/7/8/20/28/38/40/41/71/75/76/77/78</li><li>● 4G(LTE-FDD):B1/3/5/7/8/20/28/32/71</li><li>● 4G(LTE-TDD):B38/40/41/42/43</li><li>● 3G(WCDMA):B1/5/8</li></ul>
NA	Nort	<ul style="list-style-type: none"><li>● 5G(Sub-6):N2/5/12/25/41/48/66/71/77/78</li><li>● 4G(LTE-FDD):B2/4/5/8/7/12/13/14/17/25/26/29/30/66/71</li><li>● 4G(LTE-TDD):B41/42/43/46/48</li><li>● 3G(WCDMA):B2/4/5</li></ul>
GL	Global	<ul style="list-style-type: none"><li>● 5G(Sub-6):N1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/41/48/66/70/71/75/76/77/78/79</li><li>● 4G(LTE-FDD):B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71</li><li>● 4G(LTE-TDD):B34/38/39/40/41/42/43/48</li><li>● 4G(LAA):B46</li><li>● 3G(WCDMA):B1/2/4/5/8/19</li></ul>

Measure

Length,	
width and	
height:	144*104*40mm
equipment	
enclosure:	385*220*64mm
Enclosure packaging:	

Single measurement without antenna connectors and screws. Please refer to the following sections for measurements of other equipment components.

TOP VIEW



RIGHT VIEW

