

Mini Cellular Router

USR-DR185



Introduction

The USR-DR185 is PUSR's latest LTE Cat.1 cellular router. It features a Quectel cellular module and supports mainstream 4G frequency bands worldwide for broad compatibility. The router comes standard with two Ethernet ports (1 × WAN/LAN + 1 × LAN) to provide network connectivity for end devices.

On the software side, it supports multiple VPN protocols (including OpenVPN, IPsec, and GRE), a configurable firewall, and DDoS protection against SYN floods, SSH attacks, and HTTP attacks.

Furthermore, the device runs on the open-source OpenWrt operating system, offering a stable platform for custom application development and integration.

Product Features

■ Hardware

- Metal casing with IP30 protection
- Quectel cellular module, supports mainstream frequency bands around the world, and supports single IPv6/single IPv4/IPv4v6 type SIM cards
- Industrial-grade design for extreme temperatures (-25°C to +75°C)
- Flexible installation installation, DIN-rail 35mm mounting and wall mounting
- Equipped with XH2.54 connection terminals and self-locking mechanism for stable power supply
- 2 Ethernet port, 1 x WAN/LAN and 1 x LAN port
- 1 Type-C interface for debugging
- 1 SMA female connector for 4G antenna

■ Software

- Supports remote monitoring, upgrade and parameter configuration, remote access to the built-in web pages.
- Supports IPsec VPN, PPTP,L2TP, OPENVPN, GRE etc., ensuring secure data transmission.
- Supports firewall, NAT, DMZ, black and white list of access control.
- Supports DDNS, PPPOE, DHCP, Static IP.
- Supports multiple DDoD protections including SYN protection, SSH protection, and HTTP protection and ping protection.
- User-friendly configuration web

Dimensions

Unit: mm



Figure 1 Dimension of USR-DR185s-G

Specifications

Catalog	Parameters	Value
Power Supply	Power Input	DC 5V/2A input (DC 4.75V - 5.25V)

	Working Current	241ma@5V
	Connector	XH2.54 connector
Cellular	Band(Global)	TDD-LTE: Band 34/38/39/40/41 FDD-LTE: Band 1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/66/71
	Antenna	External rod antenna with 2dBi gain (Max)
	SIM slot	1 x Micro SIM (3FF)
Ethernet Port	WAN port	1x RJ45 port (10/100Mbps, auto MDI/MDIX), can be configured as a LAN
	LAN port	1x RJ45 port (10/100Mbps, auto MDI/MDIX)
Other Interface	Indicators	PWR, SYS, NET
	Reload Button	Press for 3-15s to restore factory settings
	Type-C	Debugging interface for troubleshooting
Physical Parameters	Casing material	Metal housing, IP30 rated
	Dimension	79 x 66 x 22 mm
	Installation	DIN rail mounting, wall mounting
	Operating Temperature	-25°C to +75°C
	Storage Temperature	-40°C to +85°C (non-condensing)
	Operating Humidity	5%-95% (non-condensing)
Software	Protocol	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS, ARP, PPPoE, SSH, DHCP, Telnet
	DDoS protection	SYN, SSH, HTTP, HTTPS, PING protections
	VPN	OpenVPN, IPsec, GRE, PPTP, L2TP
	Setup	User-friendly

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