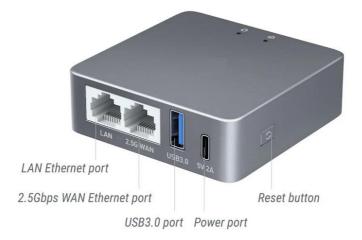# Datasheet

- Security Gateway for Remote Access

A lightweight and compact security gateway designed for hosting VPN servers. It is an ideal gateway for businesses to monitor, manage, and config- ure SD-WAN settings via GoodCloud, our remote device management platform, resulting in faster network performance, higher network efficiency, and reduced cost for small and medi- um-sized enterprises.

Aluminum alloy exterior and the device comes with a powerful chipset with higher processing efficiency than the previous generation, an upgrade in VPN encryption speed, and an updated SDK4.0 package.

Highlights

VPN Cascading

Pre-installed with OpenVPN and WireGuard®, it supports running VPN server and client at the same time within the same device, enabling users to remote access local network resources like Wi-Fi printers or local web servers, and accessing the public internet as a VPN client at the same time.

LAN Ethernet port

2.5Gbps WAN Ethernet port

USB3.0 port   Power port

Reset button

SD-WAN as a Service

A simple SD-WAN (Software-defined WAN) solution using our device management platform - GoodCloud S2S (Site-to-Site), enabling high network performance and efficiency while main- taining the same level of security, elasticity, and automation.

High-speed VPN

Ssupports 30+ VPN services, it can run OpenVPN at 150Mbps and WireGuard® at 355Mbps.

WireGuard

Max. 355Mbps

OpenVPN

Max. 150Mbps

Secured Network

Runs on WPA3 security protocol, it supports VPN remote access to client devices using GoodCloud. The network runs on the latest version of Internet Protocol IPv6, and it also supports Cloudflare DNS over TLS security protocol, ensuring a secure network.

Specifications

HARDWARE		
CPU	MediaTek MT7981B Dual-core, @1.3GHz	
Memory / Storage	DDR4 1GB / EMMC 8GB	
Ethernet Speed	WAN Port: 10/100/1000/2500Mbps LAN Port: 10/100/1000 Mbps	
Power Consumption	<2.6W	
Exterior Material	ABS Plastic	Aluminum Alloy Exterior
Dimension / Weight	70 x 70 x 22 mm / 60g	70 x 70 x 22 mm / 157g

SOFTWARE FEATURES	
Operating System	OpenWrt version 21.02
Network mode	Routing, AP
Ethernet Dialing Mode	DHCP, Static, PPPoE
Firewall Function	Port forwarding, open port, DMZ
VPN	OpenVPN client & server WireGuard client & server Maximum OpenVPN Speed: 150Mbps Maximum WireGuard Speed: 355Mbps

System Function	Restart
	Restore factory settings
	Change IP address range on LAN side
	Change time zone
	MAC address clone
	Encrypted DNS
	DDNS
	Cloud remote management
	Remote web management
	Remote SSH management
	Installing / uninstalling packages
	Overview
	Drop-in Gateway mode
	Multi-WAN

INTERFACE

Ethernet Port	1 x WAN, 1 x LAN
USB Port	USB3.0 Type-A
LED Indicator	Power, VPN
Reset Button	Press (>3s, <8s) restores network settings to device initial state Long press (>=8s) restores factory settings
Power Port	USB Type-C interface, 5V/2A power supply

CERTIFICATION

- CE
- WEEE
- IC
- CP65
- FCC
- RoHs
- UKCA

ENVIRONMENT

Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	5%~95%, non-condensing
Storage Humidity	5%~95%, non-condensing

PACKAGE LIST

1 x Brume 2 (GL-MT2500) Gateway /
1 x Brume 2 (GL-MT2500A) Gateway
1 x Power Adapter
1 x Ethernet Cable
1 x Warranty Card
1 x User Manual

PINOUT

GPIO31 | WHITE LED
BLUE LED | GPIO29
WHITE LED | GPIO30

MT2500-V0.2
2022/09/21

3.3V
UART TX
UART RX
GND

RESET KEY | GPIO1

LAN
WAN
USB 3.0
USB-C POWER

UART
KEY
POWER
USB
GND
LED
GPIO
WAN/LAN