

RV05-B

DATASHEET

PRODUCT INFO

PROCESSOR

MediaTek MT7621, 512MB DDR RAM, 64 MB Flash

CELLULAR

5G/4G/3G with Dual SIM, External 5dBi antenna

Wi-Fi

NA

INTERFACE

6x LAN 10/100/1000 , 1x RS485

POWER

9-30V DC IN

OPERATING SYSTEM

Open-WRT Linux



Hardware Specification

CPU	MediaTek MT7621
RAM	512MB
FLASH	64 MB
WAN	1x 10/100/1000 (Configurable WAN/LAN)
LAN	5x 10/100/1000
Serial Interface	1x RS485
SIM	2x Nano SIM (1x Active & 1x Passive)
RTC	Built-in RTC
Reset	Pinhole Reset Button
Antenna	Cellular: 4x SMA Connector,
Status LED	Signal strength, SIM Indication LED, RS485 Rx & Tx LED, Power LED, 1x ACT, 1x sys
Power Connector	2Pin Screw Terminal Block
Input Voltage Range	9-30 Vdc
Power Adapter	N/A
Enclosure	Industrial Aluminium Enclosure
Mounting	DIN rail mounting Kit (Optional)
Design	Fanless
Dimensions	110 x 44 x 94 mm (W x H x D)
Weight	400 gm
Other	Grounding Screw

Operational & Environmental

Storage Temperature	-30 ~ 70 °C
Operating Temperature	-0 ~ 60 °C
Humidity	10 ~ 90% (non-condensing)

SOFTWARE SPECIFICATIONS

Cellular

Cellular Module	5G SA Sub-6 up to 2 Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600 Mbps, 3G - up to 42 Mbps
Status	Single strength (RSSI), SINR, RSRP, RSRQ
Band Management	Auto/User configurable
Operator Lock	Automatic/ Manual
APN	Configurable, Auto APN
Modem configuration mode	Single SIM, Dual SIM
SIM switching	Signal strength, ICMP echo, Data limit based
PDP Type	IPv4, IPv6, IPv4v6
SIM Authentication	PAP, CHAP, No Authentication
SMS	Send SMS, Read SMS, SMS Commands

Firewall & Networking

Routing	Static routing, Advanced Static Routing, Dynamic Routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, HTTP, HTTPS, SCP, PPP, SSH, DHCP
Connection Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone forwarding, Parental Control, Masquerading, MSS Clamping, Loopback IP, Loopback Rules.
Attack Prevention	SYN Flood Protection, Drop Invalid Packets
DHCP	Static and Dynamic
Multi-WAN Configuration	Configurable Failover, load balancing between Cellular WAN, and Wired.
VLAN	Tagged VLAN, Untagged VLAN
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, Wireguard, Zero Tier, IPIP Tunnel
Open VPN	TUN/TAP with TLS Certificates
IPsec	IKEv1, IKEv2, Aggressive/Main Mode
IPsec Encryption	3DES, AES128, AES192, AES256
IPsec Authentication	SHA1, MD5, SHA256, SHA384, SHA512
IPsec DH Group	MODP768, MODP1024, MODP1536, MODP2048, MODP3072, MODP4096
PPTP/L2TP	Server & Client with/without MPPE Encryption
Monitoring Application	Modem Monitoring with ICMP Echo, Router Monitoring with ICMP Echo
Time Synchronization	NTP Client, RTC, Manual
Diagnostic	Ping, Traceroute, Modem Debug Info, Iperf, Download Logs
Other Features	MAC binding, Connection Diagnostics, URL Filtering, Router Health Monitoring, Package Manager

Remote Management

NMS	Remote Monitoring & Management Platform for SILBO Networking products
NMS VPN	Remote Access of SILBO and non-SILBO Networking Devices
TR069	TR069 Client for CPE Management
SMS Commands	Reboot Command, Uptime Command

Gateway

Gateway Protocols	Modbus TCP Master, Modbus RTU Master
Serial Mode	Transparent (Over IP), Modbus Gateway
Data sender	HTTP, MQTT, Azure MQTT
Internal Storage	NA

Operating System

Operating System	Open-WRT based Linux OS
Supported Languages	Shell scripting, C, C++
Development tools	SDK package with built environment provided (Optional)

Standard Packaging

RV05-B Cellular Gateway with Industrial Aluminium Housing , 4x Cellular Rubber Duck Antennas,0.5-meter Power Cord, 01-meter Ethernet cable, Rs485 TB.

*All rights reserved, subject to change without prior notice.

Get in touch:

 sales@invendis.com

 www.silbonetworks.com

 Invendis Technologies India Private Limited
No. 230, 1st Cross, 38th Main, BOOHBCS Layout, BTM
2nd Stage, Bangalore – 560 068

