SILBO
An Invendis Product

STAY 📶 CONNECTED

RS04

PROCESSOR MediaTek MT7621 256MB DDR RAM, 32MB Flash	CELLULAR Dual SIM 4G/3G/2G, External 5dB antennas	
ETHERNET 1x WAN 10/100/1000 2x LAN 10/100/1000	POWER 12V DC Input	OPERATING SYSTEM Open-WRT Linux
NMS Easy remote management and monitoring for large scale deployment.		

HARDWARE SPECIFICATION

CPU	MediaTek MT7621
FLASH	32MB
RAM	256MB
WAN	1x 10/100/1000
LAN	2x 10/100/1000
Cellular Modem	Single 4G Modem
Reset	Pinhole Reset Button
Antenna	Cellular: Up to 2 SMA Connector
Enclosure	Metal Enclosure
Mounting	Din-rail mount (As an optional accessory)
Design	Fanless
Dimensions	115 x 31 x 119 mm (W x H x D)
Weight	500 gm
Power Supply	Optional PSU (12 Vdc)
Input Power	12 Vdc

Operational & Environmental

Storage Temperature	-30 ~ 70℃
Operating Temperature	-20 ~ 60℃
Humidity	10 ~ 90% (non-condensing)
Ingress Protection Rating	IP30

SOFTWARE FEATURES

Cellular

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Status	Single strength (RSSI), SINR, RSRP, RSRQ, SIM Status
Band Management	Auto/User configurable & Operator Lock
APN	Configurable, Auto APN (Planned)
Modem configuration mode	Single SIM, Dual SIM
SIM switching	Signal strength, ICMP echo, Data limit based
Bridge	Direct connection (bridge) between mobile ISP and device on LAN (Planned)
PDP Type	IPv4, IPv6, Dual stack
Passthrough	Router assigns its mobile WAN IP address to another device on LAN (Planned)

Firewall & Networking

Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (Planned), TR069 (Planned)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
DHCP	Static and Dynamic
Failover	Configurable Failover option for Cellular WAN, Wired WAN
Authentication	Pre-shared key, X.509 certificates
VLAN	Port based VLAN, Tag based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (Planned)
Open VPN	TUN/TAP (Planned)
IPsec	IKEv1, IKEv2, supports up to 4xVPN IPsec client. Encryption: DES, 3DES, AES128, AES192, AES256

PPTP, L2TP	WAN with PPTP/L2TP configuration for secure broadband connection (Planned)

Remote Management

NMS	Remote monitoring of SILBO Networking products
NMS VPN	Remote access of SILBO and non SILBO Networking products using NMS VPN

Operating System

Operating System	Open-WRT based Linux OS
Supported Languages	Shell scripting, C, C++, Python (Optional)
Development tools	SDK package with built environment provided (Optional)
Standard Packaging	Product Up to 2 Cellular Rubber Duck Antennas Power Adaptor (Optional Accessory) 0.5-meter Ethernet cable