SILBO
An Invendis Product

STAY CONNECTED

RG04

PROCESSOR MediaTek MT7621, 512MB DDR RAM, 32MB Flash	CELLULAR 4G/3G/2G with Dual cellular, Dual SIM, External antennas 0f 5dBi	
ETHERNET 1x 10/100/1000 4x 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	512MB
WAN	1x 10/100/1000
LAN	4x 10/100/1000
SIM	2x Nano SIM
Reset	Pinhole Reset Button
Antenna	Cellular: 2x SMA Connector
Enclosure	Metal Enclosure
Mounting	Din-rail mount (As an optional accessory)
Design	Fanless
Dimensions	165 x 30 x 110mm (W x H x D)
Weight	600 gm
Status LED	Mode, Connectivity, SIM1, SIM2, Power
Input Power	12 Vdc

Operational & Environmental

Storage Temperature	-20 ~ 65℃
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
Band Management	Auto/User configurable & Operator Lock
APN	Configurable, Auto APN (Planned)
Modem configuration mode	Single Cellular Single SIM, Dual Cellular 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, and Wi-Fi 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
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

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 2x Cellular Rubber Duck Antennas Power Adaptor (Optional Accessory) 0.5 mts Ethernet cable