SILBO
An Invendis Product

STAY CONNECTED

RC44 P

PROCESSOR	CELLULAR	Wi-Fi
MediaTek MT7628 128MB DDR RAM, 32MB Flash	Dual SIM 4G/3G/2G, Integrated 5dBi antennas	2.4GHz 300Mbps AP/Station, Integrated 5dB antenna
ETHERNET 1x WAN 10/100 2x LAN 10/100	**POWER** 12V DC Input	**OPERATING SYSTEM** Open-WRT Linux
NMS Easy remote management and monitoring for large scale deployment.		

HARDWARE SPECIFICATION

CPU	MediaTek MT7628
FLASH	32MB
RAM	128MB
WAN	1x 10/100
LAN	2x 10/100
SIM	2 x Nano SIM
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n
Enclosure	Plastic Enclosure
Mounting	Wall Mount
Design	Fanless
Dimensions	210 x 35 x 140mm (W x H x D)
Weight	280 gm
Input Power	12 Vdc

Operational & Environmental

Storage Temperature	-25 ~ 60℃
Operating Temperature	-10 ~ 50℃
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 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	The router assigns its mobile WAN IP address to another device on LAN (Planned)

Wi-Fi

Wi-Fi Mode	Access Point, Station, Guest Wi-Fi, Repeater
Encryption	TKIP, AES
Technology	802.11 b/g/n with 20 MHz, 40 MHz
Authentication	WPA (PSK), WPA2 (PSK)
TX Power	Configurable
Wi-Fi Scheduler	Scheduled ON/OFF

Firewall & Networking

Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP
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

Open VPN	TUN/TAP
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++
Development tools	SDK package with built environment provided (O)
Standard Packaging	Product Power Adaptor 0.5 mts Ethernet cable