



STAY  CONNECTED

RB44

<p>PROCESSOR MediaTek MT7628 128MB DDR RAM, 32MB Flash</p>	<p>CELLULAR 4G/3G/2G with Dual SIM, External 5DBi antenna.</p>	<p>Wi-Fi 2.4GHz, 300Mbps AP, Station, External 5dBi antennas</p>
<p>ETHERNET 1x WAN 10/100 4x LAN 10/100</p>	<p>POWER 9-30 V DC Input</p>	<p>OPERATING SYSTEM Open-WRT Linux</p>
<p>NMS Easy remote management and monitoring for large scale deployment.</p>		



HARDWARE SPECIFICATION

CPU	MediaTek MT7628
FLASH	32MB
RAM	128MB
WAN	1x 10/100
LAN	4x 10/100
SIM	2x Nano SIM
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n
Antenna	Cellular: 2x SMA Connector, Wi-Fi: 2x SMA connector
Enclosure	Sheet Metal Enclosure
Mounting	Din-rail mount (Optional)
Design	Fanless
Dimensions	160 x 28 x 120mm (W x H x D)
Weight	590 gm
Power Supply	Optional PSU (12 Vdc)
Input Power	9 to 30 Vdc

Operational & Environmental

Storage Temperature	-30 ~ 70°C
Operating Temperature	-20 ~ 60°C
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	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, SNMP (Planned), TR069
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
IPsec	IKEv1, IKEv2, supports up to 4xVPN IPsec clients. 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 Devices.
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	Product, 2 x Cellular Rubber Duck Antennas 2 x Wi-Fi Rubber Duck Antennas 0.5-meter Ethernet cable, Power connector TB.

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