



STAY  CONNECTED

RF44 P

<p>PROCESSOR MediaTek MT7628 64MB DDR RAM, 32MB Flash</p>	<p>CELLULAR 4G/3G/2G Single SIM with Internal antenna.</p>	<p>Wi-Fi 2.4GHz AP With internal antenna.</p>
<p>ETHERNET 1x LAN 10/100</p>	<p>POWER 5V 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	64MB
LAN	1x 10/100
SIM	1x Nano SIM
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n
Antenna	Internal Antenna
Enclosure	Plastic Enclosure
Mounting	Table top (compact device)
Design	Fan less
Dimensions	90 x 27 x 80mm (W x H x D)
Weight	240 gm
Status LED	Wi-Fi, connectivity, Data, Power
Input Power	5 Vdc

Operational & Environmental

Storage Temperature	-20 ~ 55°C
Operating Temperature	-10 ~ 50°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
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, Guest Wi-Fi,
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, and Wi-Fi WAN
Authentication	Pre-shared key, X.509 certificates
VPN	Open VPN, IPsec, GRE
Open VPN	TUN/TAP (Planned)



IPsec	IKEv1, IKEv2, supports up to 4xVPN IPsec client. Encryption:3DES, AES128, AES192, AES256
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 (Optional)
Standard Packaging	Product, 0.5-meter Ethernet cable, Power cable, Carry Pouch.

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