



## RE44



### PROCESSOR

MediaTek MT7628, 128/256MB  
DDR2 RAM, 32MB Flash



### CELLULAR

2x 4G/3G/2G with Dual  
SIM, External 5dBi antennas



### Wi-Fi

2.4GHz, 300Mbps AP/Station,  
Internal 5dBi antennas



### INTERFACE

1x WAN 10/100, 3x LAN 10/100



### POWER

12V DC Input



### OPERATING SYSTEM

Open-WRT Linux

### Accessories:



Rubber Duck LTE Antenna



Rubber Duck Wi-Fi Antenna



Power Cable



Metal Din Rail

## HARDWARE SPECIFICATIONS

### Operating System

CPU	MediaTek MT7628
FLASH	32MB
RAM	128/256 MB
LAN	4x 10/100 Mbps
Cellular	2x 4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
SIM	2x Nano SIM
Reset	Pinhole Reset Button
LEDs	1x Power, 2x Cellular, 1x Wi-Fi, 2x Ethernet, 1x RS485
Wi-Fi	2.4Ghz, 802.11b/g/n
Antenna Interface	Cellular: 4x SMA Connector, Wi-Fi: 2x SMA connector
Enclosure	Metal Enclosure
Mounting	Din-rail mount (As an optional accessory)
Design	Fan less
Dimensions	123.2 x 28 x 120.6mm (W x H x D)
Weight	360 gm
Input Power	12 Vdc

### Operational & Environmental

Storage Temperature	-30 ~ 70°C
Operating Temperature	0 ~ 60°C
Humidity	10 ~ 90% (non-condensing)
Ingress Protection Rating	IP30

## SOFTWARE SPECIFICATIONS

### Cellular

Status	Single strength (RSSI), SINR, RSRP, RSRQ
Band Management	Auto/User configurable & Operator Lock
APN	Configurable, Auto APN
Modem configuration mode	Single SIM, Dual SIM
SIM switching	Signal strength, ICMP echo, Data limit based
PDP Type	IPv4, IPv6, Dual stack

### Wi-Fi

Wi-Fi Mode	Access Point, Station, Guest Wi-Fi
Encryption	TKIP, AES
Technology	2.4Ghz, 802.11b/g/n
Authentication	WPA (PSK), WPA2 (PSK)
TX Power	Configurable
Wi-Fi Scheduler	Scheduled ON/OFF

## Firewall & Networking

Routing	Static routing
Network Protocols	Network Protocols TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP, 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, Wi-Fi WAN & Ethernet WAN
Authentication	Pre-shared key
Other	MAC binding, black/whitelisting
VPN	Open VPN Server/Client, TUN/TAP, IPsec Server/Client, GRE, L2TP Client, PPTP Client, GRE over IPsec, Zero Tier, Wire Gaurd
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

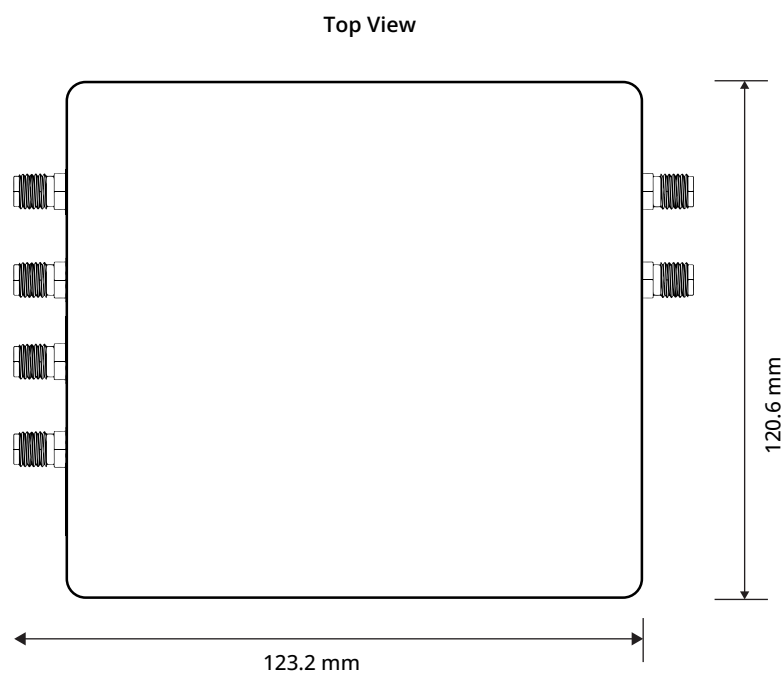
## Operating System

Operating System	Open-WRT based Linux OS
Supported Languages	Shell scripting, C, C++
Development tools	SDK package with built environment provided (Optional)

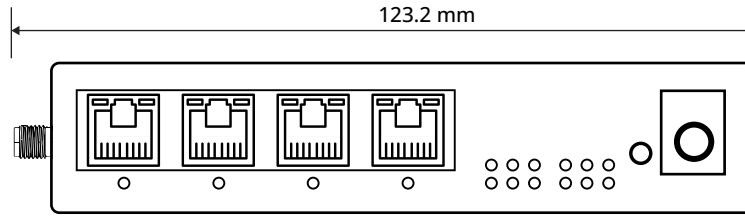
## Standard Packaging

RE44 Cellular Router with Metal Housing , 4x Cellular Rubber Duck Antennas,  
2x Wi-Fi Rubber Duck Antennas, 0.5-meter Power Cord, 01-meter Ethernet cable.

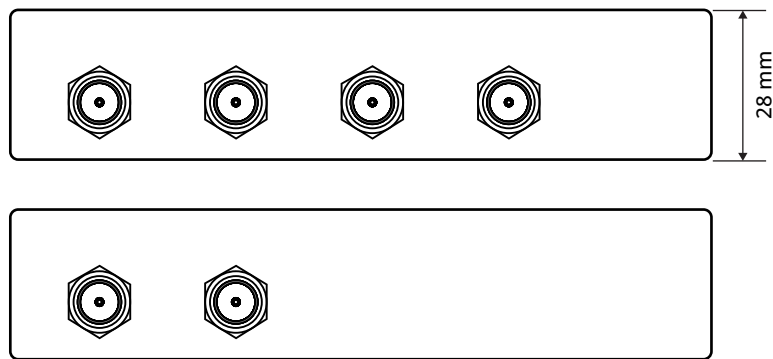
## Spatial Measurement:



Front View



Side View






Rear View



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