



STAY  CONNECTED

RK55 Dual

<p>PROCESSOR MediaTek MT7621 512MB DDR RAM, 32MB Flash</p>	<p>CELLULAR Dual Modem (1x5G, 1x4G) Dual SIM 5G/4G/3G, External 5dB antennas</p>	<p>Wi-Fi Dual-Band Wi-Fi AP/Station, Internal 5dB antennas</p>
<p>ETHERNET 1x WAN 10/100/1000 4x LAN 10/100/1000</p>	<p>POWER 12V 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 MT7621
FLASH	32MB
RAM	512MB
WAN	1x 10/100/1000
LAN	4x 10/100/1000
Cellular Modem	5G Modem + 4G Modem
SIM	2x Nano SIM (1x 5G, 1x 4G)
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n/ac
Antenna	Cellular: 4x5G SMA Connector, 2x4G SMA connector. Wi-Fi: 2x5Ghz, 2x2.4Ghz SMA connector.
Enclosure	Metal Enclosure
Mounting	Din-rail mount (As an optional accessory)
Design	Fan less
Dimensions	209 x 30 x 154 mm (W x H x D)
Weight	950 gm
Status LED	Mode, Connectivity, Wi-Fi, Power, SIM
Input Power	12 Vdc
Operational & Environmental	
Storage Temperature	-20 ~ 65°C
Operating Temperature	-20 ~ 60°C
Humidity	10 ~ 90% (non-condensing)
Ingress Protection Rating	IP30



SOFTWARE FEATURES

Cellular

Cellular Module	5G Module: 5G SA Sub-6, NSA Sub-6, 4G (LTE) up to 500 Mbps
	4G Module: (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, SIM Status
Band Management	Automatic for 5G and Auto/User configurable for 4G & Operator Lock
APN	Configurable
Modem configuration mode	Single Modem Single SIM, Dual Modem 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
Encryption	TKIP, AES
Technology	802.11 b/g/n/ac with 20 MHz, 20/40 MHz, 40Mhz
Authentication	WPA (PSK), WPA2 (PSK)
TX Power	Configurable
Wi-Fi Scheduler	Scheduled ON/OFF (Planned)

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 (Planned)



DHCP	Static and Dynamic
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN, and Load balancing (Planned)
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 client. Encryption: 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 4x5G Cellular Rubber Duck Antenna, 2x4G Cellular Rubber Duck Antenna, 2x2.4Ghz Wi-Fi Rubber Duck Antenna, 2x5 Ghz Wi-Fi Rubber Duck Antenna 0.5-meter Ethernet cable / Power Adaptor (Optional Accessory)

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