



SILBO-RF44

CELLULAR ROUTER

STAY CONNECTED

Invendis
Invent, Discover.



PROCESSOR

Mediatek MIPS 580MHz Processor,
64MB DDR, 16MB Flash

Wi-Fi

2.4GHz, 300Mbps
AP, 3dBi internal antennas

OPERATING SYSTEM

Linux

VPN

OpenVPN

LTE CONNECTIVITY

4G/3G/2G with Single SIM,
3dBi internal antenna

ETHERNET

One port 10/100, 1 LAN/WAN

ROUTER FEATURES

WebUI for easy configuration,
Supports MultiWAN with Failover

Power

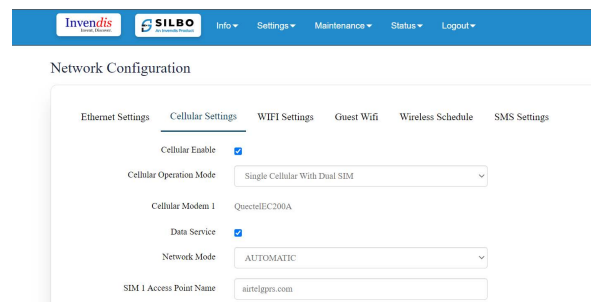
5V DC input/ USB Powered

PRODUCT DESCRIPTION

SILBO-RF44 is a compact, pocket-friendly router which helps you connect to Wi-Fi on the go. It flaunts a high-speed 4G internet up to 300 Mbps, along with excellent Wi-Fi range.

Apart from the Wi-Fi, SILBO-RF44 also comes with a single 10/100 ethernet port for high speed wired connectivity.

What makes SILBO-RF44 stand out is its travel-sized design and USB or DC jack powered, which can be connected to a laptop or a power adapter.



LAN Ethernet port

Power socket



Reset button

SIM slot

FEATURES

Cellular

○ Cellular Module	4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 42 Mbps, 2G – Up to 236.8 kbps
○ Status	Signal strength (RSSI), SINR, RSRP, RSRQ
○ Band Management	Used band status display
○ APN	Configurable, Auto APN
○ Bridge	Direct connection (bridge) between mobile ISP and device on LAN
○ Passthrough	Router assigns its mobile WAN IP address to another device on LAN

WIRELESS

○ Wireless Mode	IEEE 802.11b/g/n, Access Point (AP)
○ Wi-Fi Security	WPA2-PSK, WEP, WPA-EAP, WPA-PSK, AES-CCMP, TKIP
○ SSID	Two (Single and Guest)
○ Wi-Fi Users	Up to 32 simultaneous connections

ETHERNET

○ LAN/WAN	1 x LAN/WAN (Configurable) port 10/100 Mbps, compliance with IEEE 802.3, IEEE 802.3u standards, supports auto MDI/MDIX
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NETWORK

○ Routing	Static routing
○ Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, HTTP, HTTPS, FTP, PPP, DHCP
○ Connection Monitoring	Periodic Reboot
○ Firewall	Port forward, traffic rules, custom rules
○ DHCP	Static and dynamic IP allocation
○ Failover	MultiWAN, Cellular and Wired WAN options, each of which can be used as backup, using automatic Failover

SECURITY

○ Firewall	Unlimited firewall configuration firewall rules can be enabled via WebUI
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VPN

○ OpenVPN	Multiple clients with encryption
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MONITORING & MANAGEMENT

○ WEB UI	HTTP/HTTPS, status, configuration, FW update, diagnostics, system log, kernel log
○ SMS	SMS configuration, Reboot

SILBO-RF44

SYSTEM CHARACTERISTICS

○ CPU	Mediatek, MIPS processor, 580 MHz
○ RAM	64 MB, DDR2
○ FLASH Storage	16 MB, SPI Flash

FIRMWARE / CONFIGURATION

○ WEB UI	Update FW from file
○ Operating System	OpenWrt based Linux OS

POWER

○ Connector	DC Jack for Power adapter, DC jack to USB cable for USB powering
○ Input Voltage	5 VDC, Reverse polarity protection
○ Power Consumption	< 5 W Max

PHYSICAL INTERFACES (PORTS, LEDS, ANTENNAS, BUTTONS, SIM)

○ Ethernet	1 x RJ45 ports, 10/100 Mbps
○ Status LEDs	2 x Cellular, 1 x Ethernet, 1 x Power, 1x Wi-Fi
○ SIM	1 x Nano SIM
○ Antennas	1 x Cellular, 2 x Wi-Fi
○ Reset	Factory reset button

PHYSICAL SPECIFICATION

○ Casing Material	ABS Plastic
○ Dimensions (WxHxD)	75 x 75 x 15 mm
○ Weight	80g

OPERATING ENVIRONMENT

○ Operating Temperature	-10 C to 65 C
○ Operating Humidity	10 % to 90 % non-condensing
○ Ingress Protection Rating	IP30



118,000+
Telecom Towers



30,000+
Routers



15+
Global
MNO/Tower CO



26+
Countries



500,000+
Connected Assets



20,000+
Enterprise Users



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