

Ricon Mobile



S9960ME-LTE

SFP Fiber Optic Terminator
Switch Datasheet

Efficiency with Innovative Technology


S9960ME Switch




The RICON S9960ME-LTE Switch is a mobile network router designed based on Fiber, WiFi and VPN technologies. It is equipped with a powerful 64-bit processor and an operating system specially developed by Ricon Mobile. It can easily connect any network device connected via interface connections such as Ethernet and WiFi to the Internet or a central local network with a simple configuration.

S9960ME-LTE Switch; It is a fiber optic terminator switch that allows the distribution of fiber lines to companies or end users via Ethernet.

S9960ME-LTE Switch Models & Quick Specifications



S9960ME-LTE



- Interface: 4 x LAN (Gigabit)
- 1 x WAN (Gigabit)
- 2 x SIM Slot (Passive Backup)
- Single GSM Modulated
- 1 x SFP
- 1 x USB
- 2 x VoIP support
- 1 x Micro SD
- Gigabit Longrange
- 802.11b / g / n / ac Wi-Fi
- WEB User Interface / CLI / SNMP / Telnet / SSH
- Ricon Management System (RMS)
- Component level industrial design
- 2 x 2 LTE MIMO SMA Antenna
- 1 x 802.11b / g / n Antenna, 1 x 802.11ac Antenna

S9960ME-LTE Switch Device Features

Indicators

- » SFP: Status Indicator
- » NET: Connection Setup
- » WLAN: Wireless LAN Connection
- » WAN: Wide Area Network Cable Connection Status
- » LAN: Local Area Cable Connection Status (Lan1 ~ Lan4)
- » POWER: Power Status
- » VPN: Connection Status Indicator
- » WPS: Clear Wifi Connectivity Indicator
- » VoIP: IP phone connection indicator

Wi-Fi

- » Standard: IEEE 802.11b / g / n
- » AP, client, bridge mode support
- » WEP, WPA and WPA2 encryption with AES-TKIP
- » IEEE 802.11ac optional 5GHz Wi-Fi support
- » SSID Insulation support
- » Channel management support
- » 20MHz / 40MHz /80MHz Beamer support

Interfaces

- » 4x10 / 100/1000 Mb LAN Port
- » 1x10 / 100/1000 Mb WAN Port
- » 1x10 / 100/1000 Mb SFP Port
- » 1xStandard DC Power Input Port
- » 1xUSB Input Port

Power

- » Idle: 12V / 1A
- » Single Module Power Consumption: <5W
- » Power Supply: 5 - 36VDC

S9960ME Switch

Device Management

- » Local or remote web browser (IE v8 or higher)
- » CLI / Telnet command
- » SSH configuration

Firewall and Filtering

- » IP packet / Domain / MAC Filter
- » NAT
- » DMZ
- » Protocol Type Check
- » Port Control
- » VLAN Tagging

Routing Protocols

- » Static Routing, Regulatory Routing, Port Routing
- » RIPv2 / OSPF / BGP Dynamic Routing

Data Features

- » QoS: Speed limitation, packet prioritization
- » IPv4 / IPv6, TCP / IP, UDP, RTP, SNTP, NAT, DNS, DDNS
- » Address management: Static, DHCP Server, IP / MAC connector, DHCP switching

Multiple Mode of Operation

- » Led monitor
- » WEB, CLI, SSH, multi-parameter management support
- » Data trigger online / offline
- » LCP / ICMP / flow / availability signal control, network availability

Ultra Secure Data Transmission

- » Support VPN / L2TP / PPTP / IPSec / OpenVPN
- » IPSec over PPTP / L2TP
- » Supports DHCP Server
- » SNMP network management, NTP support, GPS clock support
- » OSPF, RIP, BGP
- » Optional QoS (QoS) protocol, application, IP subnet Intelligent control base on the network

Cellular Networks

- » EDGE/GPRS
- » FDD-LTE/TDD-LTE
- » WCDMA/UMTS/HSPA/HSPA+CDMA2000 EVDO/CDMA 1x
- » Ethernet Standard
- » IEEE 802.3
- » IEEE 802.3U

Full Network Mode

- » WAN, WLAN
- » WLAN AP / Station / Repeater,
- » 802.11n 2.4GHz up to 300 Mbps, 802.11ac 5GHz up to 900 Mbps 4 LAN ports, support Fiber SFP
- » WAN support ADSL (PPPoE), static IP, DHCP client
- » 802.11b/g/n optional Wi-Fi, WPS switch
- » DNS proxy and Dynamic DNS (DDNS) support

Certifications

» Health	EN 62311
» Safety	EN 60950 - 1+A11+A1+A12
» EMC	EN 301-489-1/-7/-17/-24
	EN 55022, EN 55024
» Radio	EN 301 511
	EN 301 908-1/-2
	EN 300 328



S9960ME-LTE Switch

Features

- » Operating Temperature: 0 °C - 40 °C
- » Dimension: 240mm x 150mm x 35mm
- » Weight: 392gr.

VPN

- » IPsec
- » PPTP server
- » L2TP server

Multiple Working Modes

- » LED monitor
- » Support WEB, CLI, SSH, multiple parameter management
- » Data trigger online/offline
- » LCP/ICMP/flow/heartbeat check, ensure network usability

Ultra Secure Data Transmission

- » VPN support GRE/L2TP/PPTP/IPSec/OpenVPN
- » GRE over IPSec, IPSec over PPTP/L2TP
- » Supports DHCP Server
- » SNMP network management, NTP support, GPS clock support
- » OSPF, RIP, BGP
- » Optional QoS (Quality of Service) smart control base on protocol, application, IP subnet

Easy Maintenance Operation

- » Support local /remote firmware and patch upgrade
- » Support parameter backup and import, Support encryption
- » Support CFE firmware upgrade (Never about crash when doing upgrade)
- » Support Console port maintenance
- » Support smart switch when using multiple server
- » Local/Remote log for easy debugn

Full Network Mode

- » 4G(TD-LTE/FDD LTE), DC-HSPA+, HSPA+, HSPA, WCDMA, EVDO, TD-SCDM,CDMA1x , EDGE/GPRS
- » WAN, WLAN, SIM1\SIM2 multiple way network
- » WLAN AP/station/repeater, 802.11n(802.11ac), at most 300Mbps
- » 4 LAN port
- » WAN support ADSL(PPPoE), static IP, DHCP client
- » Support VPDN, APN private network
- » 802.11b/g/n/ac Wi-Fi, WPS key
- » Supports DNS proxy and Dynamic DNS (DDNS)

RMS Ricon Management System

- » Great monitor capability
- » Remote terminal management maintenance
- » Check status of internet at any time
- » GIS showing device location
- » Debug remotely
- » Flow static and analyze

Easy Maintenance Operation

- » Local / remote firmware and patch upgrade support
- » Parameter backup and retrieval support, encryption support
- » CFE firmware update support
- » Smart switch support when using multiple servers
- » Local / remote system logging for easy debugging

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