H8922S Industrial Dual SIM Router
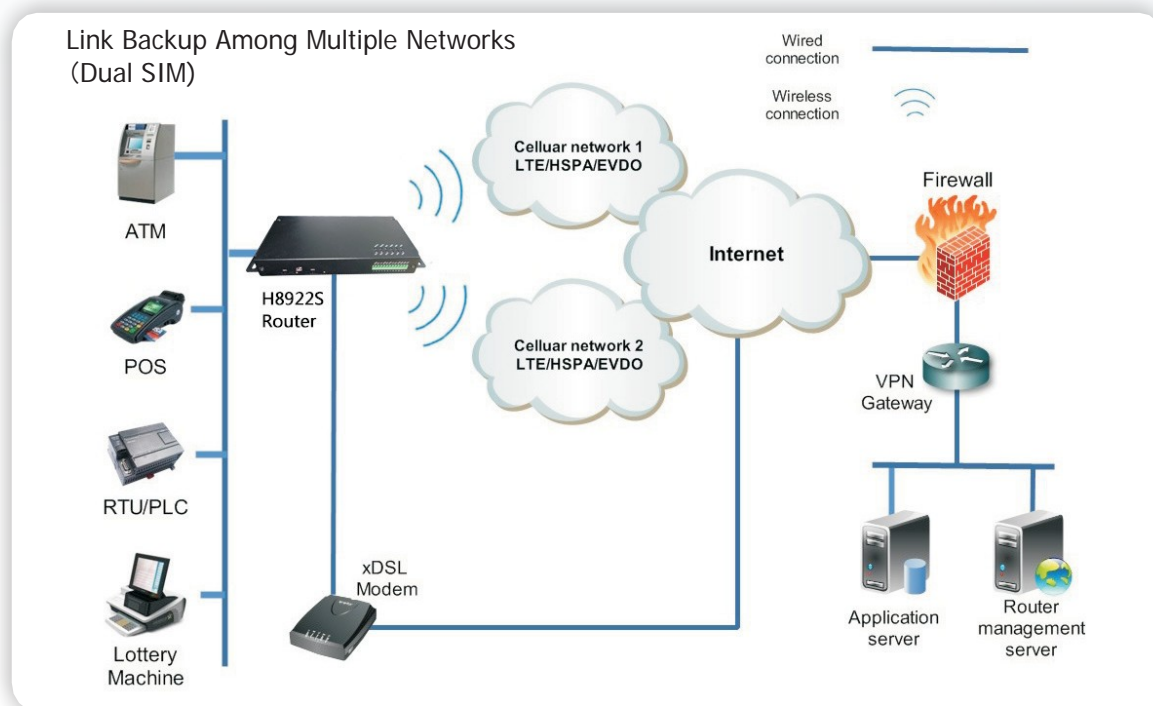
H8922S 3G/4G router is an industrial grade router for wireless M2M applications. It features dual SIM backup, 4 LAN ports, 1 WAN port (for WAN and cellular network backup), VPN (GRE, PPTP, L2TP, IPSec, OpenVPN), Terminal Row for GPIO and serial data transmission, mimo Wi-Fi and GPS optional. It is an advanced choice for wireless M2M applications with extremely reliable for data transmission.

《 Typical Topology

Link Backup Among Multiple Networks (Dual SIM)

SIM Router

High Performance, Fully Open, Excellent Scalability
◎ Support OpenWrt
◎ Support feature customize with API
◎ CPU: 580MHz
◎ SDRAM: DDR2 256MB
◎ Flash: 128Mb

Multiple Links Connection Insurance
◎ Dual SIM single module for cold backup
◎ Dual SIM dual module for hot backup or for load balance (Optional)
◎ SIM/WAN backup, dual SIM backup
◎ WAN/SIM1/SIM2, 3 links backup

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
◎ Optional QoS（Quality of Service）smart control base on protocol, application, IP subnet
◎ Static route, RIPv2, OSPF, BGP and policy route

Full Network Mode
◎ 4G(TD-LTE/FDD LTE), DS-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 optional), at most 300Mbps
◎ 4 LAN port
◎ WAN support ADSL(PPPoE), static IP, DHCP client
◎ Support VPDN、APN private network
◎ 802.11b/g/n(ac optional) Wi-Fi optional, WPS key
◎ Supports DNS proxy and Dynamic DNS (DDNS)

Multiple Working Modes
◎ LED monitor
◎ Internal Storage
◎ Support WEB、CLI、SSH、multiple parameter management
◎ Support timing operation, good control on flow and time of internet
◎ Data trigger online/offline
◎ SMS/phone trigger online/offline
◎ LCP/ICMP/flow/heartbeat check, ensure network usability

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 debug

EMC4 Industrial Design, Stable and Durable
◎ Aluminum shell, IP30 protection
◎ System security isolation, Particularly suitable for the application of industrial control field
◎ Wide range power supply（DC 5- 36V）
◎ Support WDT
◎ DTU RS232／RS485 data transmission
◎ Antenna lightning protection
◎ RS232／RS485／RS422 port：15KV ESD protection
◎ SIM／UIM port：15KV ESD protection
◎ Power port：reverse- voltage and overvoltage protection
◎ Ethernet port：1. 5KV magnetic isolation protection

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

H8922S Industrial Dual SIM OpenWrt Router

Spec

Supports mobile network
◎ FDD-LTE/TDD-LTE
◎ WCDMA/UMTS/HSPA/HSPA+
◎ EDGE/GPRS
◎ CDMA2000 EVDO/CDMA 1X
◎ Ethernet Standard
◎ IEEE 802.3
◎ IEEE 802.3u

Interface
◎ 4×10∕100Mb LAN interface
◎ 1×10∕100Mb WAN interface
◎ 2× SMA-K antenna interface(extensible)
◎ 2× Standard SIM∕R-UIM interface
◎ 1×RESET
◎ 1×WPS
◎ 1×TF card slot
◎ 1×DC power interface
◎ 1× Terminal row including interfaces below:
◎ 1×power interface
◎ 2× GPIO interface
◎ 1×RS232∕485 interface
◎ 1×RS232 interface

Firewall & Filter
◎ IP packet/Domain/MAC filter
◎ NAT
◎ DMZ
◎ Route protocol
◎ Static route
◎ Policy route
◎ RIPv2/OSPF/BGP dynamic route

VPN
◎ IPSec
◎ PPTP/L2TP client
◎ GRE/IPIP
◎ OpenVPN

Device management
◎ Local or remote web browser (IE v8 or above)
◎ CLI/Telnet command
◎ M2M management platform (optional)
◎ SSH config (optional)

Wi-Fi characteristics
◎ Standard: IEEE 802.11b/g/n(ac optional)
◎ AP, station, bridge mode support
◎ WEP, WPA and WPA2 encryption

LED instruction
◎ 3G/4G1
◎ 3G/4G2
◎ SIG1
◎ SIG2
◎ DATA
◎ RUN
◎ WLAN
◎ WAN
◎ LAN (LAN1~LAN4)

Power supply
◎ 5~36VDC

Power consumption
◎ Idle: 80mA@+12VDC
◎ Single Module Communications: <5W

Others
◎ Dimension: 191.5mm*112.1mm*26.1mm (not including antenna)
◎ Weight: 400g
◎ Operation temperature: -20~+70℃
◎ Store temperature: -40~+85℃
◎ Related humidity: <95% (non-condensing)
◎ Guarantee: one year