SLK-E900 Series

Industrial Grade High Power WiFi 4G/3G Router

Specification

Date：2017-5-25

Introduction

SLK-E900 is an industrial-grade, high-performance, high-power WiFi plus 4G wireless router with WiFi gain of 27DB (500mw). The industrial GPRS/CDMA/WCDMA/EVDO/LTE 4G module is used to provide users with high-speed wireless access and stable wireless data transfer function. The routing chip is based on Qualcomm industrial 32-bit dedicated communication processor and supports LINUX embedded real-time operating system. It holds 1 SIM card interface, 4 LAN ports, 1 WAN port, and high-power WIFI interface. It also provides Internet access for both LAN port devices and WiFi port devices at the same time. With wide temperature, wide voltage input, and through static, surge and Electro Magnetic Compatibility (EMC) test, the device is very stable and reliable. The SLK-E900 router has been widely used in the M2M industry of Internet of things (IoT) industry chain, such as self-service terminals, smart grid, smart transportation, smart home, finance, mobile POS terminals, supply chain automation, industrial automation, intelligent buildings, fire control, public security, environmental protection, meteorology, digital medical treatment, telemetry, military affairs, space exploration, agriculture, forestry, water, coal, petrochemical and other fields.

Features:

- ✓ High-performance 4G module, full Netcom support; multiple global band versions available
- ✓ Qualcomm AR9341 plan with main frequency 550MHZ
- ✓ High Power WiFi, 2x2 MIMO 2.4G, MAX power 27DB (500mw)
- ✓ 4x LAN ports, 1X WAN port, power port with lightning protection
- ✓ WAN port: POE power supply supported 9-50VDC
- ✓ Wide temperature design: -40°C to 85°C working environment
- ✓ Built-in hardware watchdog to prevent system crash
- ✓ Support Watchcat function, reboot of disconnection system, and hardware reset and recovery of 4G network
- ✓ GPS, GNSS optional

Details

Cellular Interface：

Cellular Interface		
Band Supported	4G/3G/2G Version	•Supported TDD-LTE B38/B39/B40/B41 •Supported FDD-LTE B1/B3/B5/B8 •Supported TD-SCDMA B34/B39 •Supported WCDMA/HSDPA/HSPA+ B1/B8 •Supported CDMA 1X/EVDO BC0 •Supported GSM/GPRS/EDGE 900/1800 MHz
	EVDO 3G Version	Supported EVDO, CDMA2000 1X
	HSDPA 3G Version	Supported HSUPA/HSDPA/UMTS/EDGE/GPRS/GSM
Theory of Bandwidth	• LTE CAT4-DL：50Mbps, UL：150Mbps • TD-HSDPA/HSUPA-DL：2.2 Mbps, UL：2.8 Mbps • HSPA+-DL：5.76 Mbps, UL：42 Mbps • WCDMA – DL/UL：384Kbps • CDMA2000/EVDO DL：1.8 Mbps, UL：3.1 Mbps	

WIFI Performance：

WIFI supported	
Standards	Supported IEEE 802.11 b/g/n
Frequency	2.4GHz (ISM band supported)
Transmitting Power	MAX: 27DB(500mw) Antenna: >10DB
Antennas	2 x SMA female 2.4G WIFI Interfaces
WIFI Rate	2 x 2 MIMO 300Mbps
Modulation Technique	802.11n 2x2 MIMO, 802.11a: OPDM, 6Mbps: -95dmb 802.11n, MCS0: -88dbm, MCS7: -73dbm

Router characteristics	
Firewall	Network Address Translation (NAT)
	State full Packet Inspection (SPI)
	Port Forwarding
Media Access Control	CSMA/CA with ACK
VPN protocol	Supported PPTP, L2TP, Openvpn
DHCP	Built-in DHCP (Dynamic Host Configuration Protocol)
Hardware Watchdog	Built-in hardware watchdog to prevent system crash
Broken Network Detection	Support Watchcat function, reboot of disconnection system, and hardware reset and recovery network for 4G
Other protocols	Supported PPP, PPOE, DDNS, ICMP, VRRP etc

Hardware ：

Hardware	
CPU	Qualcomm AR9341/550MHZ
Flash/RAM	8MB/512Mbit
OS	LINUX, OpenWRT

Interface：

Interface	
LAN Port	4 x 10/100M ports with 8KV
LAN Port Protection Level	Surge: differential-mode 2KV/50A, common-mode 4KV/100A Static Electricity: contact discharge ±4KV, air discharge ±8KV
WAN Port	1x 10/100M WAN port
WAN Port Protection Level	Surge: differential-mode 2KV/50A, common-mode 4KV/100A Static Electricity: contact discharge ±4KV, air discharge ±8KV
Reset	1x Reset
Antennas	2 x 3G/4G Antennas (50Ω SMA interface)
	2 x 2.4G WiFi SMA female interfaces
LED	Power-WiFi-3G/4G LED
SIM slot	Supported 1.8/3.3V SIM card, built-in 1.5KV ESD protection We support SIM card converter to meet all size sim card

Power interface:

Power	
Default power	DC 12V/1A power adapter (US,EU etc)
Input VDC	9~50V
Protection Degree	Surge: common-mode 4KV/100A
Power Consumption	≦8W

Physical property：

Physical property：	
Operating Temperature	Operating Temperature: (-40°C to 85°C)
	Storage Temperature: (-40°C to 100°C)
Relative Humidity	95%
Size	L*S*H: 150mm x 92mm x 44.1 mm
Installation Mode	DIN rail mount/desktop placement (optional)
Weight	Net weight:600g
	Packing weight: 1.5kg

Others：

others	
Warranty	5 years
Package contains	Seriallink Router, 1.5m long RJ45 Cable, 12V/1A Power Adapter, Antennas, User manual(PDF optional) , Warranty card, CERTIFICATION

Order information

Model	LAN	WAN	SIM	WIFI	4G
SLK-E900-LTE (GPS optional)	4	1	1	2	2
SLK-E900-HSDPA (GPS optional)	4	1	1	2	2
SLK-E900-EVDO (GPS optional)	4	1	1	2	2