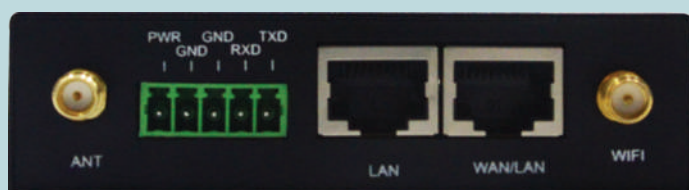# SW-245
Industrial 4G LTE Router

- The SW-245 is an Industrial 4G LTE Router integrates 4G LTE, Wi-Fi, and VPN technologies.

- Provides highly reliable, high-speed, and secure communications for remote devices wherever they are located.

- Equipped with Dual-SIM, 1 x LAN , 1 X WAN interface and Wi-Fi. 3 Level SIM-1, SIM-2 & WAN provdies alternative Internet sources with switching capability.

Features and Advantages

- Supports high-speed LTE
- Serial RS232/RS485
- Multiple VPN protocols.
- Built-in link redundancy, dual-SIM failover, ensure uninterrupted communications.
- Supports 802.11 b / g / n WIFI network.
- Wide range power input (DC 5~36V).
- Metal casing, IP30 protection level.
- Supports APN/VPDN.
- Supports various network protocols including TCP/IP, UDP, FTP (optional), HTTP, etc.
- Supports SPI firewall, VPN traversal, access control, URL filtering, etc.

SPECIFICATIONS

Item	Specification
Standard and Band	Support 4G (LTE-FDD): B1, B3, B7, B8, B20 Support 4G (LTE-TDD): B 38, B39, B40, B41 Support 3G: B1, B5, B8 Support 2G: B3, B8 Support EDGE/GPRS/GSM 850/900/1800/1900 MHz quad-band Support GPRS CLASS 10 Support EDGE CLASS 12
Bandwidth	4G (LTE-FDD): Downstream rate 150 Mbps, uplink rate 50 Mbps 3G: Downstream rate 42 Mbps, uplink rate 5.76 Mbps 2G: 384 Kbps
Transmit Power	<23dBm
Sensitivity	<-97dBm

WIFI Specification

Standard and Band	IEEE802.11b/g/n
Bandwidth	IEEE802.11b/g：54Mbps (Maximum) IEEE802.11n：144Mbps (Maximum)
Security	Support WEP, WPA, WPA2 encrypt methods, optional WPS function
Transmit Power	15±2dBm
Sensitivity	<-72dBm@54Mbps

Hardware System

CPU	Qualcomm
FLASH	16MB
DDR2	128MB

Interface

WAN Interface	A 10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD
LAN Interface	A 10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD
Serial	A RS232/485 serial interface with built in 15KV ESD, Data bits : 5, 6, 7, 8 bits Stop bits : 1, 1.5 (optional), 2 bits Error detection : none, even parity, odd parity, SPACE (optional) and MARK (optional) Serial Port Rate : 2400~115200bits/s
LED Indicators	"PWR", "Online", "LAN", "WAN/LAN", "WIFI"
Antenna Interface	Cellular: Standard SMA female antenna interface, characteristic impedance : 50 Ω WIFI: Standard SMA male antenna interface, characteristic impedance : 50 Ω
SIM/UIM Slot	Standard SIM card slot, support 1.8V/3V SIM/UIM card, built-in 15KV ESD
Power Interface	Standard 3.5mm terminal block interface, with built-in phase-reversal and overvoltage protection
Reset Button	Can reset router's configuration to default factory setting

Power

Input Voltage	DC 12V/1.5A
Accepted Range	DC 5～36V

Power Consumption

Standby	95～135mA@12VDC
Communicating	165～220mA@12VDC

Physical Properties

Casing	Metal casing, IP30 protection level
Dimensions	93x89x24mm (excluding antennas and mountings)
Weight	250g

Environmental

Operating Temperature	–35～+75˚C
Storage Temperature	–40～+85˚C
Relative Humidity	95% (non-condensing)