G808 Specification

Dual module 4G cellular router

Product Description

G808 is a dual sim dual module 4G wireless industrial router. It integrates 4G LTE CAT4, Wi-Fi, and VPN technologies. This product is suitable for the networking of unattended devices and sites. It is embedded with watchdog ,multilayer link detection mechanisms and failover with dual sim and WAN to ensure reliable and stable communications.Using our remote management platform, users can manage their network efficiently.

Featuring intelligent software functions and industrial-grade design, the G808 industrial cellular router can provide high-reliable, high-speed and secure communications for remote devices wherever they locate, helping enterprise customers achieve efficient large-scale network deployment and management. It is ideal for M2M and industrial IoT applications,such as

✧   Smart terminal industry: smart express cabinets, charging piles, ATM machines, ticket vending machines, and automatic vending machines.

✧   Power industry: smart grid, substation monitoring

✧   Water conservancy industry: water & waste water monitoring, water conservancy remote control

✧   Municipal industry: street lamp monitoring system, smart transportation

✧   Environmental industry: atmospheric environment monitoring, noise monitoring

✧   Agricultural applications: greenhouse monitoring system, agricultural irrigation

✧   Other industries: industrial automation, elevator monitoring, factory digitization, store networking system, logistics industry,smart medical,security oil & gas ,smart manufacturing, digital manufacture devices

Specifications

Hardware Specifications		
Cellular Interface	Antenna	2 x SMA-K
	SIM card	2 x (3 V & 1.8 V) Standard 2FF SIM, drawer-type sim card slots
Ethernet	1 x WAN port 10/100 Mbps, compliance with IEEE 802.3, supports auto MDI/MDIX,1.5KV network isolation transformer protection	
	4 x LAN port, 10/100 Mbps, compliance with IEEE 802.3, IEEE 802.3u standards, supports auto MDI/MDIX,1.5KV network isolation transformer protection	
Indicators	LED	PWR: always on after powered on WLAN: always solid on when WiFi is enabled and working properly WAN: solid when cable is connected, blinking when data is transmitting and receiving LAN：solid when cable is connected, blinking when data is transmitting and receiving Work: green,blinking when the router is ready and working properly SIM1/SIM2： Red always on after connected to 2G network Green always on after connected to 3G network Both on after connected to 4G network Signal strength：4 solid bars,strongest signal
Wi-Fi	Standards & Frequency	IEEE 802.11b/g/n,2.4GHz, AP mode
	Data speed	IEEE 802.11b/g,maximum 54Mbps.IEEE 802.11n,maximum 150Mbps
	WLAN security	OPEN,WPA-PSK,WPA2-PSK TKIP,AES
	Antenna	2 x SMA-K
Power Supply	Adaptor	DC 12V/1A
	Connector	DC Power Jack Barrel Type Female 5.5*2.1mm Round socket or 2 PIN 5.08mm industrial terminal block,reverse polarity protection
	Input voltage	DC 9~36V
	Working power	Average 391mA/12V
Physical Characteristics	Housing	Metal shell,IP30
	Dimensions	160mm*121mm*45mm(H*L*W）
	Installation method	Ear mounting, DIN-Rail mounting
	EMC	Static IEC61000-4-2, level 2 Pulsed Electric Field IEC61000-4-4, level 2 Surge IEC61000-4-5, level 2
	Operating temperature	-20℃～+70℃
	Storage temperature	-40℃～+125℃
	Operating humidity	5%～95%RH（non-condensing）
Others	Reload	Pinhole reset button
	Console	Debug interface
	Ground protection	Screw
Certificate	CE,CCC,ROHS	

Software Specifications		
Network Connection	WAN	PPP, PPPoE, DHCP client
	LAN	ARP, DHCP server, NAT
	4G network access	Auto APN/VPDN, public/private network
		Access authentication: CHAP/PAP
		Support detection keep-alive mechanism to ensure the stability of data communication
		Support SIM card information display
		Completely independent dual sim cards networking,dual operators online at the same time
	Wi-Fi	2.4G Wi-Fi AP
	IP routing	Static routing table
	Network diagnosis	Ping,route trace,DNS
	IP-MAC banding	Support the binding of the IP address and MAC address of the subnet device to each other, and assign a fixed IP to the specified device.
Device management	Configuration	Web
	Remote management	Telnet, SSH, AT command
	Remote management platform	Remote monitoring,remote upgrade
Security	Failover backup	Failover between 4G and WAN, ensures automatic switch to alternative backup connection
	Firewall	DMZ, anti-DoS, Filtering (IP/Domain name/MAC address), Port Mapping, Access Control
	VPN	Supports PPTP, L2TP, GRE, IPSEC VPN (IKEv1), OPENVPN protocols
Service	DDNS	Remote access the device through domain name
	Others	Support local upgrade and remote upgrade; Support configuration backup, import and export configuration files; Support NTP client function, real-time synchronization of network time; Support login password modification to ensure login security;