CIR373-E/AU/G

DIN-Rail 5G Industrial Router with 2*Ethernet Ports



- 1×100M WAN port, 2×100M LAN ports
- Support 2G/3G/4G network all over the world, support APN/VPDN sim card
- Failover between 4G and WAN, ensures automatic switch to alternative backup connection, effectively ensuring uninterrupted
- VPN tunnel detection: maintains stable connection of the VPN tunnel, ensuring continuous transmission
- Support DC9~36V power input, support anti-reverse connection
- Fanless design, case heat dissipation
- Work in -20℃ ~ + 70℃ harsh industrial environments

Product Description

CIR373-E/AU/G is a wireless transmission device that integrates 4G router and 4G DTU functions, integrating technologies such as 4G LTE, serial port, Ethernet port (2LAN and 1WAN/LAN) and VPN. It provides advanced internet connection and high-speed data access for devices.

This product series supports 2/3/4G full coverage of the three major public network operators and 1.4/1.8G private network version, which can provide secure data transmission under private network for oil fields, public security, transportation and other industries that clearly use private networks.

It helps enterprise customers achieve efficient large-scale network deployment and management, and is very suitable for M2M and industrial Internet of Things applications

Product Features

- Fully industrial design, metal housing, IP40 protection level;
- Support horizontal desktop placement and wall-mounted installation;
- Wide voltage DC 9-36V input, with power reverse protection;
- Multiple protections such as static electricity, surge, and electric fast pulse group;
- Provide 4G network, backward compatible with 3G/2G network standards;
- Support 1.4G/1.8G private network version;
- Support automatic network detection, 4G/3G/2G standard switching, support APN/VPDN private network card;
- Support wired/4G multi-network online at the same time, multi-network intelligent switching backup function
- Rich interfaces: including 1*WAN/LAN, 2*LAN, and etc;
- Support human cloud service, which facilitates centralized management of equipment system and improves operation and maintenance efficiency;
- Support sending registration package and heartbeat package functions;
- Support serial port transparent transmission, Modbus conversion, HTTPD protocol;
- Support multiple VPNs (PPTP, L2TP, OpenVPN, IPSec, GRE) and multiple VPN encryption functions;
- Support remote management platform services, with remote monitoring and remote upgrade functions;
- WAN port supports PPPoE, static IP, DHCP Client and other access methods;
- Support firewall, NAT, DMZ, port forwarding, etc.;
- Support peanut shell service, which is easy for customers to realize intranet penetration function;

Technical Specifications

Cellular			
Frequency	-E	-AU	-G
	TDD-LTE: B38/40/41	TDD-LTE: B40	TDD-LTE: B34/38/39/40/41
	FDD-LTE: B1/3/5/7/8/20	FDD-LTE: B1/2/3/4/5/7/8/28	FDD-LTE: B1/2/3/4/5/7/8/12/13/18/19/20/25/26/28/66
	WCDMA: B1/5/8	WCDMA: B1/2/5/8	WCDMA: B1/2/4/5/6/8/19
	GSM/EDGE: B3/8	GSM/EDGE: B2/3/5/8	GSM/EDGE: B2/3/5/8
Antenna	1 x SMA-K		
SIM card	1 x (3 V&1.8 V) Standard 4FF SIM		
Ethernet			
WAN	1 x WAN port (can be configured to LAN) 10/100 Mbps, compliance with IEEE 802.3, supports auto MDI/MDIX,1.5KV network isolation transformer protection		
LAN	2 x LAN ports, 10/100 Mbps, compliance with IEEE 802.3 standard, supports auto MDI/MDIX,1.5KV network isolation transformer protection		
Indicators			
PWR	Red, always on after powered on		
WORK	flashes when the system is running normally after startup NET		
2/3/4G mode indicator	2G led is on after connecting to 2G network		
	3G led is on after connecting to 3G network		
	Both leds are on after connecting to 4G network		
SIG	Signal strength: 2 LED is solid on, strongest signal		
Power Supply			
Adaptor	DC 12V/1A		

Connector	DC Power Jack Barrel Type Female 5.5*2.1mm Round socket or 2 PIN industrial terminal block, reverse polarity protection
Input voltage	DC 9-36V
Power consumption	Average 180mA/12V
Physical Characteristics	
Casing material	Metal shell, IP40
Dimensions	143.8*112.0*28.0 (L*W*H)
Installation	Wall mounting
EMC	Static IEC61000-4-2, level 3
	Pulsed Electric Field IEC61000-4-4, level 3
	Surge IEC61000-4-5, level 3
Operating temperature	-35℃~+75℃
Storage temperature	-40℃～+125℃（non-condensing）
Operating humidity	5%~95%（non-condensing）
Network Connection	
WAN protocol	PPP, PPPoE, DHCP client
LAN protocol	ARP, DHCP server, NAT
4G network access	Auto APN/VPDN, private network
	Access authentication: CHAP/PAP
WLAN security	Open system, WPA/WPA2 PSK
	TKIP/AES encryption
IP routing	Static routing
Network diagnosis	Ping, route trace, DNS
Software	

Configuration	Web
Remote management	SSH, AT command
Failover backup	Mobile, Wired options, each of which can be used as an automatic Failover
Firewall	DMZ, anti-DoS, Filtering (IP/Domain name/MAC address), Port Mapping, Access Control
VPN	Supports PPTP, L2TP, GRE, IPSEC VPN (IKEv1), OPENVPN protocols
DDNS	Remote access the device through domain name
NTP	NTP client
Others	Timing task

Dimensions

Unit: mm



Ordering Information

Standard Model	100M WAN Port	100M LAN Port	Frequency	Input Voltage
CIR373-E	1	2	TDD-LTE: B38/40/41 FDD-LTE: B1/3/5/7/8/20 WCDMA: B1/5/8 GSM/EDGE: B3/8	DC9~36V
CIR373-AU	1	2	TDD-LTE: B40 FDD-LTE: B1/2/3/4/5/7/8/28 WCDMA: B1/2/5/8 GSM/EDGE: B2/3/5/8	DC9~36V
CIR373-G	1	2	TDD-LTE: B34/38/39/40/41 FDD-LTE: B1/2/3/4/5/7/8/12/13/18/19 /20/25/26/28/66 WCDMA: B1/2/4/5/6/8/19 GSM/EDGE: B2/3/5/8	DC9~36V

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