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Chonghan CH- R6G7H15 LTE Wi-Fi Router Datasheet

Chonghan Wireless Router Series
Datasheet

Lei Dong

CHONGHAN CO., LTD.

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Contact Information

Company	Chonghan Co., Ltd.	
Sales Desk	Phone	+86 (755) 26458200
	Hours	8:30 AM to 6:00 PM GMT+8
	Email	sales@szchonghan.com
	FAX	+86 (755) 26458200 x 805
Post	Floor 2,Building 14,Nangang First Industrial Area, Songbai Road, Nanshan District, Shenzhen, Guangdong, China.	
Web	http://www.szchonghan.com/	

Document History

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References

[CHONGHAN CHR5 WIRELESS ROUTER USERMANUAL ENG](#)



崇瀚科技 Chonghan

Power by Chonghan

Overview

The CH-R6G7H15 LTE Wi-Fi Router is a Quad-Band device which has been specially designed for small business & home offices who require high level of security policy, prefer one device to perform several critical functions, require 1 Ethernet ports for network devices, and secure remote access to corporate resources outside the office for combination of up to 4 site-to-site and client-to-site connections.

The wireless communications unit is protected by robust industrial housing that also features a series of standard connectors and a SIM cardholder.

Being a standalone device, this plug-and-play solution, comes equipped with standard connectors for power supply, antenna and ethernet port.

On account of its focus on LTE communication, and its robust casing, the CH-R6G7H15 LTE Wi-Fi Router is particularly suited for M2M applications with a wireless data transfer volume. This makes it a product that can be employed in a wide range of business fields – metering, remote maintenance, transportation and logistics, traffic systems, vending machines, security, and facility management.

Applications

- POS terminals and scanners
- Vending machines
- Security systems
- Remote telemetry and telematics systems
- Fleet management and tracking systems
- Traffic control and navigation systems
- Remote Data Monitor and Control
- AMR (automatic meter reading) for power, water, gas, oil meter
- Power station monitoring and control
- Traffic signals monitor and control
- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

Benefits and Features

- Industrial design for small dimension
- Robust industrial housing
- Firewall
- NAT Router for Internet Access Sharing
- 360Mhz CPU with hardware-based encryption accelerator
- DC 5~35V wide range, low power consumption
- Watch Dog

Specification

General Features	
Frequency Bands	TDD-LTE: Band38/39/40/41
	FDD-LTE: Band1/3/8
	TD-SCDMA: Band34/39
	WCDMA: Band1/5/8/9
	GSM: 900/1800
Module Output Power	23dBm~32.5dBm
Config	Hayes 3GPP TS 27.007 and 27.005 Huawei extended AT command
Voltage	DC 5~35V
Temperature	Normal operation: -40°C ~+60°C Extense temperature: -40°C ~+85°C Storage temperature: -40°C ~+85°C
Humidity	5% ~ 95% relative humidity
Volume	130mm x 82mm x 34mm
Weight	460g (bare machine), 750g(totle weight)

Technical Standard		
Speed	TDD-LTE	UL 10 Mbit/s; DL 112 Mbit/s @20M BW cat4
	FDD-LTE	UL 50 Mbit/s; DL 150 Mbit/s @20M BW cat4
	GPRS	UL 85.6 kbit/s; DL 85.6 kbit/s
	EDGE	UL 236.8 kbit/s; DL 236.8 kbit/s
	WCDMA CS	UL 64 kbit/s; DL 64 kbit/s
	WCDMA PS	UL 384 kbit/s; DL 384 kbit/s
	HSPA+	UL 5.76 Mbit/s; DL 21.6 Mbit/s
	DC-HSPA+	UL 5.76 Mbit/s; DL 42 Mbit/s
	TD-HSPA	UL 2.2 Mbit/s; DL 2.8 Mbit/s
	TD-SCDMA PS	UL 384 kbit/s; DL 2.8 Mbit/s
Authentication	CCC/ CE/RoHS/GCF	

WIFI	
Standard	IEEE802.11b/802.11g/802.11n/802.3/802.3u
Frequency Band	2.4GHz (ISM Frequency Bands)
Compliant to	802.11b Data Rate - 11, 5.5, 2, 1 Mbps (DSSS/CCK) or 802.11g Data Rate - 54, 48, 36, 24, 18, 12, 9, 6 Mbps (OFDM) 802.11n Data Rate - 150, 54, 48, 36, 24, 18, 12, 9, 6 Mbps
WIFI Channel	Wireless automatic channel selection
Security	64/128-bit WEP (Wired Equivalent Privacy) WPA & WPA-PSK & WPA2 -PSK (Wi-Fi Protected Access)

CHONGHAN CH-R6G7H15 LTE WI-FI ROUTER DATASHEET

Router	
Throughput	300 Mbps microprocessor 10/100 WAN port for better throughput/security
Auto Sensing and Uplink	Support
DHCP Client	Support
DHCP Server	Support
NAT	Support
Logging & Monitoring	Support
NTP support	Support
SNMP	Support
Web UI	Support
Firewall	SPI Firewall
Operating system compatible	Windows, UNIX, Macintosh, and Linux

Interfaces	
4G Antenna	50Ω / SMA / Female
WIFI Antenna	50Ω / SMA / Male
Power Supply	Φ5.5mm / 2.5mm
Reset Button	5s for trigger
SIM Card Drawer	SIM/UIM card, 1.8/3.3V
Data Interface	10/100 Base-T (RJ45) * 5
USB	USB 2.0

LED		
Power	Off	Equipment outage
	On	Power on equipment
PCIE	Off	Not Mount 3G, 4G PCIE module
	On	Mount 3G, 4G PCIE module
2.4G	Off	Wireless Wi-Fi off
	On	Wireless Wi-Fi open
WAN	Flash	WAN port access
LAN1	Off	LAN Offline
	On	LAN Online
LAN2	Off	LAN Offline
	On	LAN Online
LAN3	Off	LAN Offline
	On	LAN Online
LAN4	Off	LAN Offline
	On	LAN Online

Others	
Warranty	1 Year
Package Contents	The CH-R6G7H15 LTE Wi-Fi Router
	100 Base-T Cable
	DC 12V1A Power Adapter
	2 4G rod antenna (also can be replaced by a sucker antenna)
	2 Wi-Fi rod antenna

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