



Sunhans

Product specification

SHFi4GC091

LTE-Cat6 Indoor CPE

Version 1.0

Date: 2020/12/28

■1. Revision

Date	Version	Editor	Note
2020/12/28	1.0	Cade Zhang	First release

■2. Hardware specification

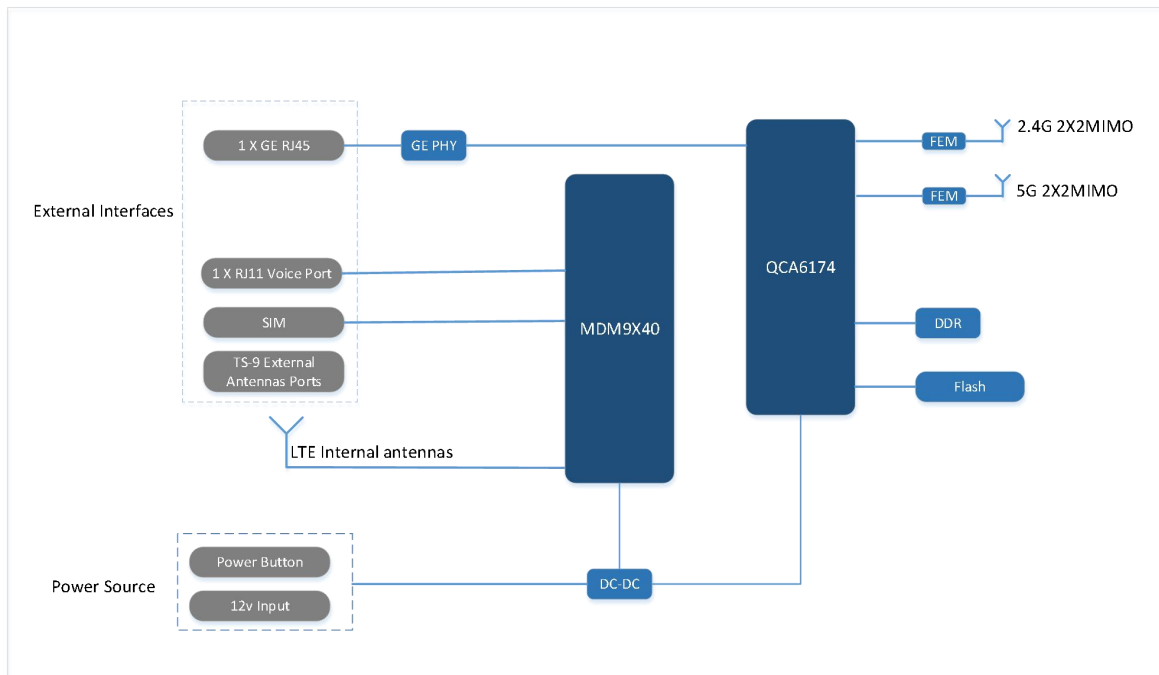
■2.1.Interface





Power Source	DC 12V/1A
Functional button	Press and start enabling WPS feature
Power Button	Press and hold > power On/Off
LAN port	1 x 1GE RJ45 Ports
Voice Port	1 x Voice RJ11 Port (Optional)
External Antenna	1 x TS-9 connector for Tx
	1 x Tx-9 connector for Rx
LED display	- Signal strength - Wi-Fi Status - LAN status - Mode LED to indicate 4G/3G -Power
Card slot	One 3FF (Micro) UICC/USIM card slot
Reset button	One reset button

▪2.2. Block Diagram



2.3. RF functions

Cellular	LTE/ WCDMA/ GSM/ GPRS/EGPRS	Qualcomm MDM9X40(Cat6)
		Support frequency:
		LTE : B1/3/7/8/20
		UMTS: B1/8
		MIMO:DL 2x2, UL 1x1
		Antenna:1T2R



		Peak data rate: LTE: DL 300 Mbps / UL 50 Mbps
		Output power class: 22 +/-1 dBm (class 3)
Wi-Fi	QCA6174	
	Standard compliant: IEEE 802.11 a/b/g/n/ac	
	2.4 GHz (2x2 MIMO) +5.8GHz(2x2 MIMO)	
	2.4G: 300Mbps	5G:866Mbps

▪2.4. Environment

Temperature	Operating: 0°C to 40°C
	Storage: -20°C to 60°C
Humidity	Operating Humidity: 5 to 95% RH
	Storage Humidity: 5 to 95% RH
	Non-condensing

▪2.5. Physical specification

Packaging Items	Casing Dimension (WxDxH): 83*115*190mm
	Weight: ~525g



Packaging Accessories	- DC 12V/1A Power adaptor
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▪3. Software specification

▪3.1.Features

System Features	Web UI/Multiple language supported
	SMS/Quota/APN/PIN Management
	Network Selection
	Data Usage / Statistic
	DHCP Server
	NAT
	IP Firewall
	Proxy DNS
	Parental control - Parental controls designed to allow control of Internet access on all devices connected to your home network.
	Self-Check - Self-examination when it can't



	connect to the network
	Port Settings - Port forwarding, including single port, multiple ports or a range of ports
	Security - SIM Lock and Secure boot features.
	Firewall - DMZ/MAC Filter/IP Filter/URL Filter/Port Filter Port Settings
Wi-Fi AP Features	802.11 b/g/n/ac 2.4GHz+5.8GHz
	Auto Channel Select (ACS)
	Band Steering
	Hidden SSID
	Security Modes : WPA/WPA2 PSK, & WPA/WPA2 mixed mode
	Access Control : STA blacklist/white list
	WPS : Pin and PBC, WPS2.0



▪4. Mechanical & ID designs

▪4.1.Dimension

Casing Dimension (WxDxH): 83*115*190mm

▪5. Package

▪5.1.Accessories

Adapter	12V/1A adapter
	EU: EU/UK/US plug (M type)
	White color
QSG	Quick start guide
Safety warning	Safety warning
Warranty card	Warranty card
DoC	Declaration of Conformity

▪5.2. Packing

Box	Box label
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	Inner paper
	Inner box
	Color box
Carton	Carton label (carton label + battery warning label)
	Carton
Pallet	Pallet label
	Pallet