N082

1800Mbps NR 5G Router

Overview

N082 is a new generation of 5G CPE products which adopts Qualcomm SDX55 high-speed 5G solution design, conforms to 3GPP Release 15 standard, can support independent networking (SA) and non-independent networking (NSA) deployments , downwards compatible with 4G multiple network standards. It can convert 5G wireless signals into Wi-Fi6 signals and ethernet port, which fully meets the dual requirements of wired and wireless networks, and provides high-speed 5G network access for other devices.

Features

- 5G SA/NSA/LTE
- ENDC/DSS
- AX1800 @Wi-Fi6
- TR069/FOTA

Specification

Hardware Performance	
Chipset	Snapdragon SDX55, 5G SA/5G NSA/LTE QCA6391
LTE	3GPP Release 15
Band Support	NR Sub- 6: N1/3/5/7/8/20/28/40/41/77/78 LTE: B1/3/5/7/8/20/28/40/41
Interface	3x GE RJ45, 1x FXS, 1x Micro(3FF) Sim Slot
LED	1x 5G,1x Mode,1x Signal,1x Wi-Fi,1x LAN
Button	1xReset
Antenna	6x Built-in 5G/LTE primary antennas 2x Built-in WLAN 2.4G/5G antennas 1 x Tx-9 connector for Rx(Optional) 1 x TS-9 connector for Tx(Optional)

Maximum TX power	5G/LTE	Conform to 3GPP Power Class 3/2, support HUPE.
RX sensitivity	5G/LTE	Conform to 3GPP Definition
Weight	865g	
Power consumption	Max 17W	
USB power supply	Input 12V/2A	
Dimensions	95*100*205mm	
Case material	PC,ABS	

Temperature	Working temperature: 0°C to 40°C	
	Storage temperature: -20°C to 60°C	
Humidity	5%-95% (Non-condensing)	
Gain	5G: about 4.5dbi	
	LTE: about 3.5dbi	
	WIFI: about 3dbi	
Polarization	5G/LTE: Linear	
	WIFI: Linear	
Cellular Wireless Network	Network Search	Supports automatic or manual network search, the default is automatic
	Connection Management	Supports automatic and manual connectionto the cellular network
	Network Mode	Supports various network mode Auto 5G SA 5G NSA LTE only
	Profile Management	Auto mode, set the profile information required for Internet access according to the SIM card automatically, avoid cumbersome operations for users Profile name APN name User name User password Authentication type, auto/pap/chap IP type, ipv4/6
	Traffic statistics	Supports traffic statistics, including download, upload and total.
Wi-Fi	Wi-Fi settings	SSID/Key Channel selection, auto or manual Various security mode and algorithms Disable WEP (wired equivalent protocol) WPA2 personal (Wi-Fi Protected Access 2 Personal), AES or TKIP WPA2/WPA mixed mode (Wi-Fi Protected Access 2

		Personal/Wi-Fi Protected Access Personal), AES or TKIP
		WPA3 personal
		Enable/disable SSID broadcast
		max number of users up to 32
		Enable/disable Wi-Fi
	WPS	Wi-Fi Protected Setup (WPS) is a latest standard published by the Wi-Fi Alliance with the aim of simplifying the configuration process to establish a secure wireless home network. The device Supports two WPS methods PBC (Push Button Configuration), in which user simply has to push a actual button or virtual one on web UI PIN (Personal Information Number), in which a PIN is entered into device through Web UI
	MAC Address Authentication	Support the following MAC address authentication method Black list
Router	The device works as a route, supports Default gateway address: 192.168.8.1 Standard protocol such as ARP, ICMP, IPv4, IPv6, etc. NAT, translate a public IP address to a private IP address and vice versa	
	DHCP server	DHCP server dynamically allocate IP address to client devices Enable/disable DHCP server Configures DHCP server address pool Lease time, default as 86400 seconds
	DNS relay	Supports DNS relay for client devices Auto mode, use DNS servers from WAN Manual mode, set primary DNS and secondary DNS manually
Basic Status	Users can view the following basic device information on web UI SIM status, Signal strength, roaming status Operator name Data transmission indication Network access technology	

	Network Status WAN IP DNS Wi-Fi Status The number of devices connected to CPE and their details, including name, IP, MAC, etc.
Phone Book	Supports contact group management Add group Delete group(s), batch operation is supported View and modify existing group information Supports search
	Supports contact management Add contact Delete contact(s), batch operation is supported Move contact(s) to group, batch operation is supported Import contact from SIM card Supports search View contacts list, Supports pagination display Modify existing contact information, including name, number, group, etc. Select one or more contacts and send them a text message
SMS	Supports SMS (short message service) related functions Inbox, outbox, and draft management View list of messages, Supports pagination display and detail of messages, including number, content, date, etc. Edit, save, delete, and modify SMS Sending short message to one or more contacts Receives short message, new and unread message alerts Replay and forward message Supports various data coding scheme, GSM 7-bit and UCS Supports normal message, up to 160 ASCII characters or 70 UCS2 characters Supports long message (concatenated short messages), up to 612 ASCII characters or 268 UCS2 characters Supports flash message
Security	The device supports the following security functions. IP Filter Port Filter

	URL Filter	
	Port forward	
	DMZ	
	UPnP	
	DDNS	
Firmware Update	FOTA	Provide complete FOTA solution
		Detect new firmware information on FOTA server manually/automatically, including version, size, release date, and release note, etc.
		Download new firmware from the server and update the device
		The server initiates a firmware update for the specified device
	Local Update	Users can also upload firmware and update it through the Web UI
SIM Management	Supports PIN of SIM Card, including	
	Enable/disable PIN	
	Change PIN	
	Verify PIN	
	Reset Pin by PUK	
VPN	L2TP, PPTP, IPSec	
Customization Functions	Web UI	
	SIM Lock	
	APN (Profile)	
	Trusted boot	
	Wi-Fi extender	
	USSD	
	Domain name	
	TR069	

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