N120

Outdoor NR 5G 2.5PoE CPE

Overview

N120 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 also has a 2.5G PoE port for connection, which will take the speed to a higher level

Features

- 5G SA/NSA/LTE
- ENDC/DSS
- 2.5G PoE
- TR069/FOTA

Specification

Hardware Performance	
Chipset	Snapdragon SDX55, 5G SA/5G NSA/LTE Nordic nRF52833
LTE	3GPP Release 15
BlueTooth	BLE5
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	1x 2.5GE RJ45 with PoE, 1xUSB3.0, 1x Micro(3FF) Sim Slot
LED	3x LEDs For Signal Strength(3bars). 1x Network Service (5G or 4G). 1x Power
Button	1xReset
Antenna	4x Omni-Directional antennas For 360°Signal reception enables easier installation. They are with up to 5dBi Gain. 2x directional antennas For enhancement on 5G Sub-6 Bands of N40/N41/N77/N78/N79 with up to 9dBi gain. 1x BLE For BLE antenna

Maximum TX power	5G/LTE	Conform to 3GPP Power Class 3/2, support HUPE.	
RX sensitivity	5G/LTE	Conform to 3GPP Definition	
IP Level	IP65		
Lightning Surge Protection	6KV		
PoE Adapter	Input	AC/DC Power supply: AC 100V-240V	
	PoE type	Passive PoE DC 48V / 0.5A	
	RJ45	PoE Port (To Outdoor CPE)	
		LAN Port (To Indoor Router)	
Dimensions	225*130*45mm		
Temperature/Humidity	Working Range -20 to 60℃/5-95% Humidity. Storage Range -40 to 85℃/5-95% Humidity. Support Pre-heating mechanism in low temperature environment.		
Mounting Methods	Mounting on Wall (Special design for allowing horizontal 110° adjustment). Mounting to a pole.		
Cellular Wireless Network	Network Status	Displaying cellular network status and LAN status.	
	Network Searching	Supports automatic or manual network search, the default is automatic	
	Connection Management	Supports auto mode and manual mode for cellular connection.	
	Network Mode	Supports various network mode 5G/4G Auto 5G only	
	Profile Management	Manual mode Auto Mode, profile is read from sim or pre-configured. Manual Mode, allow users to create a new APN to be used. Profile name APN name User name User password	

		Authentication type, auto/pap/chap
		IP type, ipv4/6
	SIM Management	Enable/disable PIN
		Change PIN
		Verify PIN
		Reset Pin by PUK
Traffic Statistic	Weekly Monthly	Display the data usage statistic.
Working Mode setting	NAT Mode	DHCP server dynamically allocate IP address to client devices
	Bridge Mode	For passing-through the WAN IP to the devices that connected.
Network Firewall setting	The device supports the following security functions. IP Filter Port Filter URL Filter Port forward DMZ UPnP	
Device Management	FOTA	Auto upgrading, device to check updates availability periodically and download the updates and do upgrading automatically. Manual upgrading, allow users to check updates availability manually and decide whether to do upgrade.
	Local Upgrading the firmware	Users can download the firmware then do firmware upgrading locally through the Web UI.
	TR069	For device configuration management and debugging operations.
	LWM2M	For debugging purpose, it enables monitoring devices status such as RAM/Temp remotely for easier troubleshooting. Remote logging Monitoring RAM situation Monitoring temperature situation.
Device Security	Secure Boot	Secure boot to ensure that only authorized software is

		executed
		Prevent any unauthorized or maliciously modified software from running on the device
	PCI Lock	Lock to network based on Cells
	SIM Lock	Lock to network based on PLMNs
Functions that can be customized	SIM Lock
	PCI Lock
	Pre-Configured APN (Profile)
	TR069
	Web UI

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