4G Full Netcom 300M WiFi Wireless Router



Product Highlights

- Independent wireless routing processing chip and 4G processing chip module, each performing its own function, dual-path concurrency, ensuring the stability and usability of the entire system.
- Supports 4G access to Telecom, China Unicom, Mobile, and Broadcasting networks, supports APN/VPDN connections.
- Supports routing mode, AP mode, and 4G LTE wireless access, flexible networking, suitable for various complex scenarios.
- Provides 802.11b/g/n WiFi 300M wireless access, equipped with high-gain antennas, achieving a range of up to 30 meters in open and unobstructed environments. It also provides 10/100Mbps wired access, supporting up to 16 devices in standby mode.
- Supports WPA/WPA2, SSID hiding, and blacklist, effectively ensuring the security of user data.
- Built-in quick setup wizard, no professional knowledge required, easy to use 4G LTE access for WiFi internet.

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Hardware Features

Description	Specification
Model	HR-CPE300
Clock Frequency	575MHz
Memory	8MB
Flash	2MB
Wireless Technology	802.11b/g/n 300Mbps MIMO
Device interface	WAN*1/LAN*2 10/100Mbps auto-negotiation Standard SIM card (Mini-SIM) DC power supply interface, suitable for power plug with outer diameter of 5.5mm, inner diameter of 2.1mm, and length of over 9.5mm
Button	RESET, press and hold for 5 seconds to restore factory settings
Indicator	POWER, WiFi, 4G, WAN, LAN1, LAN2
Antenna	External 2.4G 5dBi rubber rod antennas*2 External 4G LTE 5dBi rubber rod antennas*2
Power	DC 12V/1A, positive on the outer side and negative on the inner side.
Structure Information	Product Dimensions: 143*95*27mm Packaging Dimensions: 282*278*50mm Product Net Weight: 0.35KG Product Gross Weight: 0.6KG
Packing Information	Carton Dimensions: 542*298*578mm Packing Quantity: 20PCS Packing Weight: 12.6KG
Package Contents	Router 1pcs, AC Adapter 1pcs, Manual 1pcs, Ethernet Cable 1pcs
Installation	Desktop
Operating Temperature	-10~45°C
Storage Temperature	-20~70°C
Operation Humidity	5%~90%, non condensing
Storage Humidity	5%~95%, non condensing

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Hardware Features

Description	Specification
Frequency Range	802.11b/g/n:2.4~2.4835GHz
Channel	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Modulation	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM)
Transmission Rate	11b up 11Mbps,11g up 54Mbps,11n up 300Mbps
Receiver Sensitivity	11b：≤-90±1.5dBm @1Mbps， ≤-84±1.5dBm @11Mbps 11g：≤-86±1.5dBm @6Mbps， ≤-69±1.5dBm @54Mbps 11n 20MHz：≤-85±1.5dBm @MCS0， ≤-67±1.5dBm @MCS7 11n 40MHz：≤-82±1.5dBm @MCS0， ≤-64±1.5dBm @MCS7
Transmit Power	11b: ≥20±1.5dBm@11Mbps 11g: ≥20dBm±1.5dBm@54Mbps 11n: ≥20dBm±1.5dBm@MCS7
Network Standard	LTE FDD/TDD
LTE-FDD	B1/B3/B5/B8(supporting hierarchical reception)
LTE-TDD	B34/B38/B39/B40/B41 (supporting hierarchical reception)
Transmission Rate	LTE FDD: Up 150Mbps(DL)/Up 50Mbps(UL) LTE TDD: Up 130Mbps(DL)/Up 30Mbps(UL)
Transmit Power	Class 3 (23dBm±2dB) LTE FDD Bands Class 3 (23dBm±2dB) LTE TDD Bands
Receiver Sensitivity	FDD B1: -99dBm (10M) FDD B3: -99dBm (10M) FDD B5: -100dBm (10M) FDD B8: -100dBm (10M) TDD B34: -98dBm (10M) TDD B38: -100dBm (10M) TDD B39: -98dBm (10M) TDD B40: -99dBm (10M) TDD B41: -99dBm (10M)

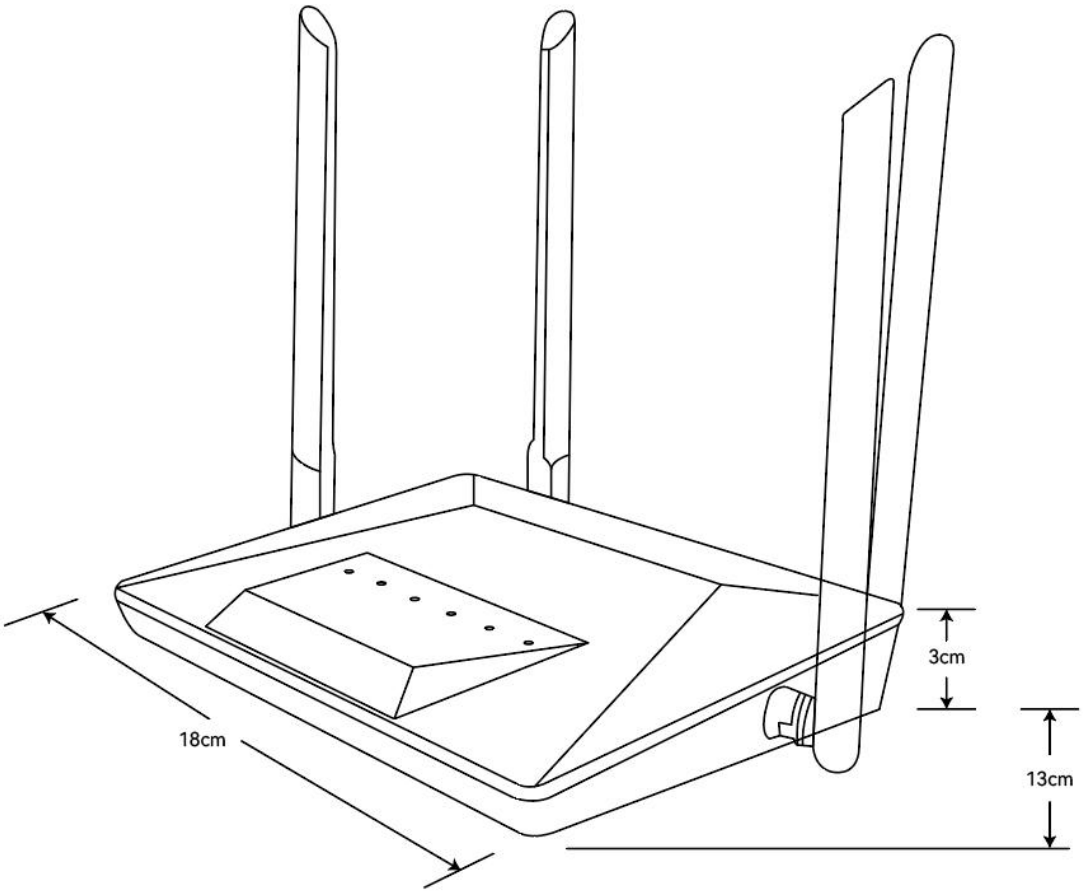
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Software Features

Description	Specification
Working Mode	4G/Router/AP
Number of connected users	16 Peoples
Management	The English web remote management/ Batch management based on the TR069 centralized management platform."
Status	-System Status/4G Status/Interface Status -User List -Black List
Network Configuration	-Network Configuration: Operating Mode (4G/Router/AP)/LAN/WAN -APN Settings
WiFi Settings	WiFi Switch/WiFi name/Encryption/WiFi password/ Hide WiFi/Wireless protocol/Wireless bandwidth/ Wireless channel/WiFi signal strength
Flow Assistant	Used/Remaining/This month has been used/Today Has been used/The end of the month/Monthly Package flow/Monthly settlement date/Flow control switch
System Management	-Managed Password -Local Time -Upgrade/Reset: Reset to defaults/Download backup configuration/Restore backup/Local Upgrade -System Log -Network Detection -Reboot: Reboot immediately/
Setup Wizard	System mode-WiFi

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Product Structure Diagram



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