



MC888D

5G Indoor CPE

MC888D is the star model of the ZTE third-generation 5G wireless router series. It supports the latest 5G NR Rel.16 technologies, and provides Wi-Fi6, dual gigabit network interfaces, and full-voice services. It integrates all indoor terminal functions required for 5G FWA service deployment, so that consumers can enjoy incredible new experience in 5G AR, cloud games, and 4K videos.

Benefits

Ultra-high-speed Internet connection

With its compact single-chip architecture, MC888D achieves ultra-high performance-to-cost ratio, with a 5G NR download rate of 2.716Gbps, and Wi-Fi 6 downlink rate of AX3600, demonstrating the ultra-high rate and ultra-low latency of 5G networks end to end.

High-gain antennas improve network coverage

MC888D adds directional antennas with up to 12dBi gain to the medium and high frequency bands commonly used in 5G networks. Combined with the intelligent antenna switching technology, MC888D can expand the coverage of base stations, and the Internet access rate in the areas with medium and weak signal coverage can be increased by 10~ 36% ***.

Rich combinations to exploit the potential of spectrum

MC888D supports global mainstream 3G/4G/5G frequency bands and combinations such as NR CA and LOW+LOW band ENDC, making full use of operators' existing spectrum resources, and providing users with high-speed, wide-coverage, and smooth-handover cellular network roaming experience.



5G NR SA&NSA;3GPP Rel.16
Up to 2.716Gbps DL rate **



12dBi high gain antenna
for 5G high frequency bands



Network Signal Detection
and Position Suggestion



VPN Client and
VPN passthrough



Wi-Fi6 (11ax) AX3600
Wi-Fi auto Optimization



Parental Control
Time Management



RJ11 Ports for VoLTE
or VoIP *



Bridge Mode and
Cable Broadband

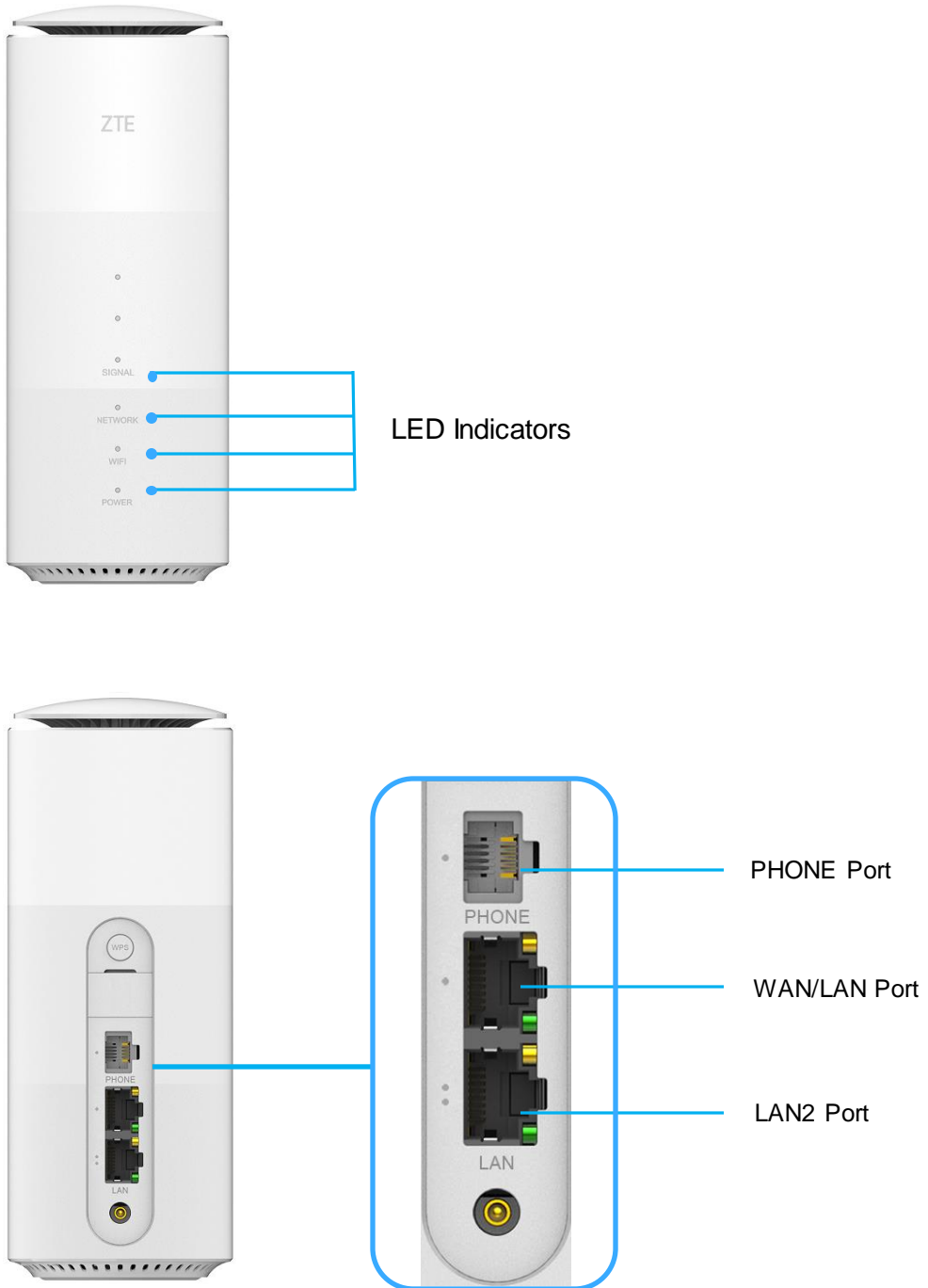


ZTE security and
stable FOTA

Abundant management and configuration interfaces

The MC888D supports local configuration management based on WEBUI and mobile apps, and remote management based on the TR069 and MQTT protocols. This improves user experience and provides cost-effective, efficient, and reliable solutions for operators' requirements for FWA terminal deployment, firmware upgrade, and O&M.

Interface Description



Specifications

Hardware specifications

5G NR Interface

- 3GPP Release 16
- Supports both NSA and SA modes
- Frequencies:
n1/2/3/5/7/8/12/20/28/38/40/41/66/71/75/77/78
- 4 MIMO: n1/3/7/38/40/41/66/75/77/78

4G LTE Interface

- 3GPP DL Category19, UL Category18
- Frequencies:
B1/2/3/4/5/7/8/12/17/20/26/28/32/66/71/B34/38/
39/40/41/42/43/48
- 4 MIMO: B1/3/4/7/32/38/39/40/41/42/43/48/66

UMTS Interface

- DC-HSDPA/HSPA+
- Frequencies: B1/2/5/8

Maximum power consumption

- about 15w

Wi-Fi technology

- Wi-Fi6, 802.11b/g/n/a/ac/ax, 2.4G&5G
- MIMO: 5GHz 2MIMO, 2.4GHz 2MIMO
- Speed: AX3600
- Access number: up to 64

Antenna Gain

- 5G/4G/3G:
700~960MHz: 1~1.5dbi
1450~2700MHz: 2~2.5dbi
3300~4200MHz: 5dBi and 12dBi

Software specifications

Device Mode

- Automatically mode (wireless or wire auto switch)
- Hybrid mode (wireless and wired are used at same time)
- Wireless mode
- Bridge mode
- Cable Broadband Mode

Speed**

- 5G ENDC(LTE FDD + Sub6G): DL 2.716Gbps, UL 280Mbps
- 5G SA: DL 1.716 Gbps,UL 160Mbps
- LTE FDD:DL 1.6Gbps,UL 200Mbps
- LTE TDD:DL 1.12Gbps,UL 40Mbps

Interface

- RJ45: 2, 10Base-T /100Base-T /1000Base-T
- RJ11: 1
- USB: 1, TypeC, Only for debug
- SIM slot: 4FF/eSIM (default is SIM slot)
- Reset hole to restore factory default
- WPS button to activate the PBC(Push Button Config) function

LED

- Power: 1 LED (White)
- Wi-Fi: 1 LED (White)
- Network: 1 LED (White/Blue/Red)
- WAN signal strength: 3 LED (White)
- LAN: standard RJ45 port LED

Package contents

- AC Adapter: 12V/1.5A
- Ethernet cable
- Quick Start Guide

Environment

- Operating temperature -20 to 55°C
- Storage temperature -40 to 70° C
- Humidity 5% to 95%

Certification

- CE, WEEE, ROHS, REACH, Wi-Fi

Artwork

- Dimensions: 182*124*70mm
- Weight: about 650g

IP Networking & Routing

- IPv4/IPv6 dual stack (NDP IPv6)
- DHCP server
- VPN client: L2TP\PPTP\IPSec * \GRE *
- VPN pass-through
- NAT/NAPT
- Sip ALG
- Multiple APNs *

Firewall

- Port Forwarding
- Port Filtering
- Port Mapping
- Domain Filtering
- MAC address Filtering
- Upnp
- DMZ
- Remote Access/Ping switch

Wi-Fi

- Wi-Fi Switch
- Bandsteering
- Security mode: WPA-PSK/WPA2-PSK, WPA2-PSK/WPA3-PSK, WPA2-PSK
- Wi-Fi Broadcast
- Wi-Fi Isolation
- Auto channel selection
- WPS
- GuestSSID support
- Wi-Fi Sleep Mode

Voice

- VoNR, VoLTE, VoIP, CSFB

Device Management

- Connected device Management
- SMS
- PIN/PUK management
- APN management
- Lock Frequency/Lock Cell
- Random WebUI & Wi-Fi management Password default
- TR069 with TR181 data model default
- Upgrade: FOTA / TR069 *
- ZTELink APP *
- Device can FOTA/TR069/remotely access on bridge mode

Special Feature

- Preferred Position: Can help user to find a good position
- Device Diagnosis will list all device running key status and give fix solution

* Optional customized software features.

** The maximum data rates is a theoretical value. The actual data rates depend on the network environment.

*** ZTE Lab test data.

For more product information, visit us on the web at <https://ztedevices.com>

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ZTELink APP

