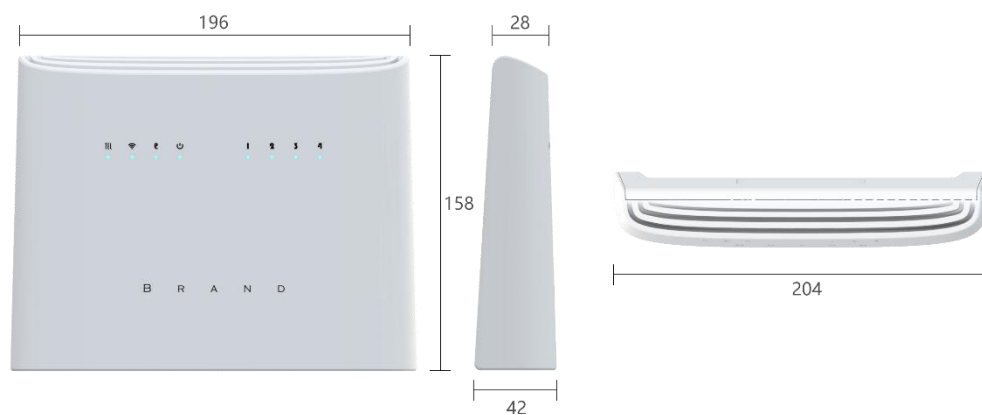# MaxComm

4G LTE Indoor CPE WR-135

3GPP Release R8/R9 CAT4

V1.0

▶Introduction

WR-135 is a LTE indoor multi-service product solution specifically designed to meet integrated data and 802.11b/g/n Wi-Fi access needs for residential, business and enterprise users. The product supports advanced megabit networking and dual bands Wi-Fi AP functionalities. It enables wide service coverage and provides high data throughput and networking features to customers who needs easy broadband access, hot-spot Wi-Fi connectivity.

▶Key Features

Worldwide LTE coverage

3GPP Release 8/9 with CAT4

Built-in wide bandwidth antennas support

Advanced MIMO, AMC, OFDM support

IPv4 & IPv6 and Multiple PDN support

Supports DMZ

Support NAT and Bridge operation mode

Standard TR-069 Management

Support 802.11b/g/n 2*2 MIMO@2.4GHz

▶Specifications

Cellular Specifications

Category
3GPP Release 8/9, Category 4
Frequency Bands and CA
FDD-LTE: B31
Tx / Rx
1Tx/2Rx
LTE Transmit Power
Class 3　23dBm±2dB
Peak throughput
LTE-FDD: Max 150Mbps (DL)/Max 50Mbps (UL)
LTE-TDD: Max 120Mbps (DL)/Max 28Mbps (UL)
Cellular Antenna
2 Built-in LTE Antennas, up to max 4dBi gain
Wi-Fi Frequency
2.4GHz with 802.11b/g/n
Wi-Fi Antenna
2 built-in 2.4GHz Omni antennas, 3dBi gain
Wi-Fi Transmit Power
17dBm@2.4G
Wi-Fi Channel Bandwidth
20/40MHz

Hardware Specifications

Chip Set
Host: MT7628　　Modem: GDM7243ST
Flash
64Mb

WR-135 CPE DATASHEET

RAM
256Mb
Interface
2 * Megabit RJ45 LAN Ports 10/100Mbps auto-sensing, auto-MDI/MDIX
LED Indicator
Power/2.4G WIFI/5G WIFI/ LAN LED*2/Network LED（LTE/3G)
SIM
1 3FF USIM/SIM slot(1.8V/3V)
Button
Reset, WPS, Recover
Dimensions
204mm *158mm * 42mm
Weight
<250g
Power Consumption
<7W
Power Supply
AC 100~240V DC 12V 1A
Temperature and humidity
Operating: -10℃~ 40℃
Storage: -20℃ ~ 70℃
Humidity: 5% ~ 95%

Software Specifications

WAN	
Multi-APN support	IP pass through
	IPv4/v6 dual stack
LAN	
DHCP Server, Client	Multicast/Multicast Proxy
DNS and DNS proxy	MAC Address Filtering
DMZ	
Device Management	

WR-135 CPE DATASHEET

TR069 Web UI Diagnostics	Software upgrade via WEB / TR069 / FOTA USIM PIN management and card authentication
Routing Mode	
Bridge Mode	Port Mirror and port forwarding ARP
NAT mode Static Route	IPv4, IPv6 and IPV4/IPv6 Dual Stack
VPN	
IPsec	L2TPv2 and L2TPv3
PPTP	VPN pass-through
Security	
Firewall	Access Control
MAC Address Filtering	HTTPS Login from WAN
IP Address Filtering	Dos attack protection
URL Filtering	Three level of user authority
Reliability	
Watchdog for automatic recovery	
Auto rollback to previous version when upgrade fail	

▶ Appendix-Delivers

1*Assembled product
1*Ethernet cable, 1M
1*12V/1A
1*Quick User Guide