



## Product Description

GZ-WR170-N is a flagship wireless communication product developed based on 4G network requirements, with a wireless rate of up to 300Mbps, which can meet the stable, safe and simple Internet access needs of small networks such as offices and homes, and can also be applied to the Internet of Things communication industry to provide users with wireless long-distance data monitoring, collection and transmission functions. Full Netcom 4G network access, fully compatible with 4G/3G/2G network, equipped with two 10/100M adaptive Ethernet LAN interfaces, and internal LAN connection; One 10/100M adaptive Ethernet WAN interface for wired broadband access.

## Features

### ❖ Industrial design, 300Mbps data rate

Adopt professional wireless processor, wireless rate up to 300Mbps, barrier-free transmission distance of about 100 meters, independent professional power amplifier and low noise amplifier, stable and smooth tape machine 30 sets, no delay, no drop.

### ❖ Simple setup, one machine multi-purpose

Support 4G mode, routing mode, AP mode, built-in quick setup wizard, guide customers to complete the configuration easily. Default 4G access mode, plug and play; Routing mode, support wired broadband access; AP mode, easily convert a wired network into a wireless WiFi network. Support 4G and wired two broadband access methods, support mobile Unicom telecom 4G/3G/2G network card, more 4G Internet advantages in places where wired bandwidth can not be reached, 4G and wired automatic switching, never break the line.

### ❖ A variety of security policies, always ensure the security of network data

Support WPS, WPA, WPA2 wireless security access, support SSID hiding and wireless blacklist to effectively prevent the network, always protect the user's network data security.

### ❖ A variety of state statistics, always know the working status of the equipment

Built-in traffic statistics, support traffic set, easy to understand the monthly traffic usage; View multi-status work indicators and real-time work logs to know the working status of the device at any time.

# 300Mbps Smart Wireless Industrial Grade 4G Router (GZ-WR170-N)



## ❖ Never-ending product feature updates and performance optimization

Adhering to the spirit of craftsmanship, the R&D team has been constantly updating its functions to meet the needs of various network environments simply and efficiently; Refined performance optimization ensures the best quality network products and improves user experience.

## Specification

Specification	
Model No.:	GZ-WR170-N
Main Chipset:	MTK7628NN 300M High performance enterprise chip
Frequency	580MHz
Wireless	802.11b/g/n 300M MIMO
Flash	8MB
SDRAM	64MB
WAN/LAN	1*WAN 10/100Mbps auto-negotiation Port 2*LAN 10/100Mbps auto-negotiation Ports SIM Card
Antenna	5dBi Snap stick antenna 4G 2T2R 5dBi Snap stick antenna*2 WiFi 2T2R 2.4G 5dBi Snap stick antenna*2
Power Consumption	< 10W
Key	1 RESET button, long press 3 seconds to restore factory Settings
Led Light	POWER、WIFI、4G、WAN、LAN1、LAN2
Size	NA/NA
WiFi	
Frequency Range	802.11b/g/n:2.4~2.4835GHz
Mode	11b : DSS:CCK@5.5/11Mbps,DQPSK@2Mbps,DBPSK@1Mbps 11g : OFDM:64QAM@48/54Mbps,16QAM@24Mbps,QPSK@12/18Mbps,BPSK@6/9Mbps 11n : MIMO-OFDM:BPSK,QPSK,16QAM,64QAM
Rates	11b: 1/2/5.5/11Mbps 11g: 6/9/12/18/24/36/48/54Mbps 11n: Up to 300Mbps
Receive Sensitivity	11b: <-84dbm@11Mbps ; 11g: <-69dbm@ 54Mbps ; 11n: HT20<-67dbm HT40: <-64dbm

# 300Mbps Smart Wireless Industrial Grade 4G Router (GZ-WR170-N)



RF Power	11b: 18dBm@ 1~11Mbps 11g: 16dBm @ 6~54Mbps 11n: 15dBm@ MCS0~7
Standard	IEEE 802.3(Ethernet) IEEE 802.3u(Fast Ethernet) IEEE 802.11b/g/n(2.4G WLAN)
Security	WPA/WPA2 (WPA-PSK use TKIP /AES)
4G Spec.	
Network Type/GNSS	EC20 CE FHKG
LTE-FDD	B1/B3/B5/B8
LTE-TDD	B38/B39/B40/B41
WCDMA	B1/B8
TD-SCDMA	B34/B39
CDMA	BC0
GSM	900MHz/1800MHz
GNSS	GPS、GLONASS、BeiDou/Compass , Galileo,QZSS
RF Power	Class 4 (33dBm±2dB) for GSM900 Class 1 (30dBm±2dB) for DCS1800 Class E2 (27dBm±3dB) for GSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 8-PSK Class 3 (24dBm+2/-1dB) for CDMA BC0 Class 3 (24dBm+1/-3dB) for WCDMA bands Class 2 (24dBm+1/-3dB) for TD-SCDMA bands Class 3 (23dBm±2dB) for LTE-FDD bands Class 3 (23dBm±2dB) for LTE-TDD bands
LTE Spec.	Support 3GPP R8 non-CA Cat 4 FDD 和 TDD Support 1.4MHz~20MHz RF Bandwidth Downlink Support MIMO LTE-FDD : max 150(DL)/Max 50(UL) LTE-TDD : max 130(DL)/Max 35(UL)
UMTS	Support 3GPP R8 DC-HSDPA , HSPA+ , HSDPA , HSUPA 和 WCDMA Support QPSK , 16-QAM & 64-QAM DC-HSDPA : max (DL) 42Mbps

# 300Mbps Smart Wireless Industrial Grade 4G Router (GZ-WR170-N)



	HSUPA : Max (UL) 5.76Mbps WCDMA : max (DL) 384Kbps , Max (UL) 384Kbps
TD-SCDMA	Support CCSA Release 3 TD-SCDMA max (DL) 4.2Mbps , Max (UL) 2.2Mbps
CDMA	Support 3GPP2 CDMA2000 1X Advanced 和 1xEV-DO Rev.A EVDO : max (DL) 3.1Mbps , Max (UL) 1.8Mbps 1 X Advanced : max (DL) 307.2Kbps , Max (UL) 307.2Kbps
Temperature	-10°C ~ 60°C/-40°C ~ 70°C
Humidity	5% ~ 95% (No Condensation)
Software	
Mode	4G、Router、AP
Users	30 +
Status	System status, interface status, and routing table
Wireless configuration	WiFi Basic parameter Settings/Blacklist
Network setup	operating mode LAN/WAN Address setting
Traffic assistant	Traffic statistics/Package Settings/Traffic control
System	System properties/Password change/Backup/upgrade/System logs/Restart
LED Light	
POWER	Connect to the POWER supply. The power indicator is steady blue
2.4G	The 2.4G WiFi is on, and the 2.4G indicator is steady blue
4G	In 4G network mode, when the 4G network is normal, the 4G light is steady blue; In 4G mode, the 4G is abnormal and the blue indicator is blinking
WAN	When data is connected, the WAN indicator is steady blue
LAN1/LAN2	When data is connected, the LAN1 and LAN2 indicators are steady blue
Others	Traffic statistics, Mac address filtering, firewall, L2TPVPN/PPTPVPN client, PPPOE, static IP, dynamic IP, WAN/LAN automatic switchover, intelligent link function, NAT, etc

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