

5G CPE

DWR-8211V

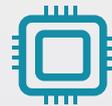
PRODUCT HIGHLIGHTS

- Built-in Wi-Fi 7 mobile hotspot distributes high-speed, highperformance Wi-Fi to all your connected devices.
- Built-in 5G Full-band antenna, 360° Signal Reception for Superior Connectivity, Radiation radius of more than 50 meters.
- Support 2.4G and 5G Bands
- Support SA and NSA operation modes
- Support WPA3 encryption for more protection
- Support WebGUI management and configuration
- Support 512 surfing users
- SIM card slot supports 5G or 4G/LTE



5G High-speed Internet

Theory Data rates DL:7.01Gbps,UL:2.5Gbps



MTK Chipset

Built with MTK830 chipset, more stable performance



Application

support FOTA, TRO69



Wi-Fi 7

Theory Data rates 11be:5760MbpsMax



Encryption

Active interception to eliminate the risk of being hacked



Multi Device Connection

Support 512 surfing users

System

CPU	Mediatek T830
Memory	1GB DDR4+1GB NAND
System	Linux

RF Specification

GSM	NA
WCDMA	Band1/Band5/Band8
TDS	NA
4GLTE	B1/B3/B5/B7/B8/B20/B28/B32/B38/ B40/B41/B42/B43/B46 (B71 optional)
CA	RG620T-EU LTEA1
5GNR	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/ n75/n76/n77/n78 (n71 optional)
CA, ENDC	Reference to sheet CA
Standard	3GPP R16
Antenna	Internal MIMO
Sending mode	2Tx
Receiving mode	4Rx
Authentication	Support PAP/CHAP authentication.

5G Features	Supports 3GPP Rel-16 Supports 4CC DL CA Supports uplink 256-QAM* and downlink 256-QAM Supports downlink 4 × 4 MIMO on n1/n3/n5/n7/n8/n20/n28/n38/n40/ n41/n71/n77/n78 Supports uplink 2 × 2 MIMO2 on n38/n40/n41/n77/n78 Supports SCS 15 kHz and 30 kHz Supports SA and NSA operation modes Supports Option 3x, 3a, 3 and Option 2 NSA Max: 5.67 Gbps (DL)/ 1.46 Gbps (UL) SA Max 7.01Gbps (DL)/ 2.5 Gbps (UL) Supports 3GPP Rel-16 Supports both FDD and TDD Supports 1.4 to 20 MHz RF bandwidth Supports LTE DL 4 × 4 MIMO onB1/3/5/7/8/20/28/38/40/41/42/43/71
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LTE Features	Supports uplink QPSK, 16-QAM and 64-QAM and 256-QAM modulation Supports downlink QPSK, 16-QAM and 64-QAM and 256-QAM modulation LTE: Max. 1.6 Gbps (DL)/ 211 Mbps (UL)
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UMTS Features	Supports 3GPP R8 DC- HSDPA/HSPA+/HSDPA/HSUPA/WCDMA Supports QPSK/16-QAM/64-QAM modulation DC-HSDPA: Max. 42 Mbps HSUPA: Max. 11.5 Mbps WCDMA: Max. 384 kbps (DL)/ 384 kbps (UL)
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Transmit Power	WCDMA: Class 3 (24 dBm +1/-3 dB) LTE-FDD: Class 3 (23 dBm ±2 dB) LTE-TDD: Class 3 (23 dBm ±2 dB) LTE-B41: Class 2 (23 dBm ±2 dB) 5G NR: Class 3 (23 dBm ±2 dB) 5G NR n41/n77/n78 bands UL MIMO HPUE: Class 2 (26 dBm +2/-3 dB) and Class 1.5 (29 dBm +2/-3 dB)
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Wi-Fi

Wi-Fi chipset	MT7996+MT7976+MT7977
Agreement	802.11a/b/g/n/ac/ax/be
Band	2.4G(2.4~2.4835GHz)--20/40MHZ 5.0G(5.15~5.925GHz)20/40/80/160MHZ
Users	512
MIMO	MU-MIMO,4x4+4x4
Transmission Distance	100m

Rate	11a:54Mbps Max 11g:54Mbps Max 11b:11Mbps Max 11n:600Mbps Max 11ac:3464Mbps Max 11ax:4804Mbps Max 11be:5760Mbps Max
Encryption	Support for WPA/WPA2/WPA3 personal, Support WPS2.0, Support WAPI

Basic Specification

Size	107*107*185mm
Weight	TBD
LED	Power LED (3 colors) Wifi LED (3 colors) 4G LED (3 colors) 5G LED (3 colors)
USB	1 USB Type C,
USIM&SIM	4FF Standard 8PIN, eSIM(Optional)
Buttons	WPS+Power+Reset (hole)
RJ45	WAN/LAN*1+ LAN*1
RJ11	RJ11*1
DC Adapter	DC 12V*1
ESD	contact ±6k;air ±10K
Temperature	Working Temperature: -20°C ~ 60°C Storage Temperature: -40°C ~ 70°C
Humidity	Working Humidity: 40°C/90—95% Storage humidity: 10 ~ 95%
Starting up time	Less than 60s from starting up to connecting to internet

Packing

Device	Yes
Adapter	Yes
Ethernet cable	Yes
Label	Yes, Model number/ MAC/ Serial number
Gift box	Yes
Warranty	Yes
User manual other	Yes

Networks

WAN Port	Static IP (IP/Subnet/Gateway/DNS), DHCP Client , NTP client
LAN Port (Ethernet) IPV4, IPV6	NAT mode Internet Protocol v4/v6 ICMPv6
VPN Tunneling	not supported
Firewall	IP-based filter Port- (Protocol-) based filter MAC-based filter Port Forwarding, DMZ support; Firewall for URL filter, MAC filter, Dos;
Security	Support PIN and PUK based SIM card security; WAN Access Control; Remote access control (HTTP).
TOS	nonsupport
DNS	DNS relay/ DNS cache
Services	The following services are supported: - Broadcasting - Multicasting
Software update	Support local update; FOTA update

Material

Outer cylinder	Plastic,no painting
Upper cover	Plastic,no painting
Lower cover	Plastic,no painting
Buttons	Plastic,WPS+Reset+Power

Certification

Certification	ROHS, CE
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