

AX1800 5G Mobile Wi-Fi 6 Hotspot

DWR-700V

Built with the most advanced 5G chipset for more stable & high speed performance, the DWR-700V turns a 5G or 4G/LTE signal into dual-band Wi-Fi 6 for up to 64 users. A 2.8" touchscreen and 5000 mAh battery make it ready for travel, remote sites and backup connectivity.

- Built-in Wi-Fi 6 mobile hotspot distributes high-speed, high-performance Wi-Fi to all your connected devices
- Built-in 5G full-band antenna, 360° signal reception for superior connectivity, radiation radius of more than 15 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 64 surfing users
- SIM card slot supports 5G or 4G/LTE



5G speed, anywhere you go



5G high-speed internet

NSA up to 2.5 Gbps DL / 700 Mbps UL; SA up to 2.3 Gbps DL / 625 Mbps UL



Wi-Fi 6 AX1800

Dual-band concurrent 573.6 Mbps on 2.4G plus 1201 Mbps on 5G



Multi-device connection

Support 64 surfing users across both bands



WPA3 encryption

Active interception to eliminate the risk of being hacked



5000mAh battery

Extended power on the go.



2.8" touchscreen

TFT colour display with touch panel and local Web GUI

Technical Specifications

Basic Specs

Size	141 mm x 71 mm x 13 mm
Weight	About 195 grams
LCD	2.8" TFT / SPI / RGB 240*320 dots
Touch TP	Support Touch TP
Interface	1 USB Type C, USB 2.0
USIM & SIM	4FF Standard 8PIN, eSIM (Optional)
Buttons	Power + WPS + Reset (hole)
Charge	Type-C, 5V/2A = 10W
Power Battery	5000mAh
Antennas	Internal LTE, diversity, Wi-Fi and 5G antennas
Temperature	Working: -10 °C ~ 40 °C; Storage: -40 °C ~ 70 °C
Humidity	Working: 40 °C / 90~95%; Storage: 10 ~ 95%
Starting Up Time	Less than 45s from starting up to connecting to internet

System Platform & Memory

Platform	V610
System	Linux
Memory	4Gb DDR4, 2Gb NAND

RF Specification

WCDMA	B1/B5/B8
4G LTE	B1/3/5/7/8/20/28/34/38/39/40/41/42/43
5G NR	n1/3/5/7/8/20/28/38/40/41/71 (optional)/77/78/79 (optional)
LTE CA / ENDC	CA; ENDC
Standard	3GPP R17
Antenna	Internal MIMO
Sending / Receiving	1Tx; 4Rx
Authentication	Support PAP/CHAP authentication

5G Features

Release	Supports 3GPP Rel-17
Modulation	Supports uplink 256-QAM and downlink 256-QAM
MIMO	Supports downlink 4 × 4 MIMO on n1/3/7/38/40/41/77/78
SCS	Supports SCS 15 kHz and 30 kHz
Operation Modes	Supports SA and NSA operation modes; Option 3x, 3a, and Option 2
Data Rates	NSA: Max 2.5 Gbps (DL) / 700 Mbps (UL); SA: Max 2.3 Gbps (DL) / 625 Mbps (UL)

LTE Features

Duplex	Supports both FDD and TDD
Bandwidth	Supports 1.4 to 20 MHz RF bandwidth
MIMO	Supports LTE DL 2 × 2 MIMO on B1/3/5/7/8/20/28/38/40/41/42/43
Modulation	Uplink QPSK, 16-QAM and 64-QAM; downlink QPSK, 16-QAM, 64-QAM and 256-QAM
Data Rates	Max. 390 Mbps (DL-Cat13) / 150 Mbps (UL-Cat13)

Transmit Power

LTE Bands	Class 3 (23 dBm ±2 dB)
5G NR Bands	Class 3 (23 dBm ±2 dB)
5G NR HPUE	Class 2 (26 dBm +2/-3 dB) for n41/n77/n78 UL HPUE

Technical Specifications

Wi-Fi	
Chip	High Performance Chipset
Protocol	2.4 GHz: IEEE 802.11 b/g/n/ax; 5 GHz: IEEE 802.11 a/n/ac/ax
Frequency	2.4G (2.4~2.4835 GHz) 20/40 MHz; 5.0G (5.15~5.925 GHz) 20/40/80 MHz
Wi-Fi Mode	Dual-band concurrent
Users	32 + 32 Wi-Fi users / devices
ANT / MIMO	MU-MIMO, 2X2 + 2X2
Transmission Distance	Up to 15~20 m
Modulation	1M DBPSK, 2M DQPSK, 5.5M, 11M CCK, 6M, 9M, 12M, 18M, 24M, 36M, 48M, 54M, ...72M OFDM
Output Power (2.4G)	16 dBm (Max) 11b; 15 dBm (Max) 11g; 14 dBm (Max) 11n; 12 dBm (Max) 11ax
Output Power (5G)	16 dBm (Max) 11a; 15 dBm (Max) 11n; 14 dBm (Max) 11ac; 14 dBm (Max) 11ax
Sensitivity	MCS11: -60 dBm@10% PER (11ax); MCS9: -63 dBm@10% PER (11ac); MCS7: -68 dBm@10% PER (11n); 54M: -70 dBm@10% PER; 11M: -83 dBm@8% PER; 6M: -88 dBm@10% PER; 1M: -90 dBm@8% PER
Data Rate (2.4G)	11ax: 573.6 Mbps with 40 MHz bandwidth; 11n: 300 Mbps /.../ 6.5 Mbps; 11g: 54/48/36/24/18/12/9/6 Mbps; 11b: 11/5.5/2/1 Mbps (Auto Rate Sensing)
Data Rate (5G)	11ax: 1201 Mbps with 80 MHz bandwidth; 11ac: 866 Mbps Max; 11n: 300 Mbps /.../ 6.5 Mbps; 11a: 54 Mbps Max (Auto Rate Sensing)
Combined Rate	Dual-band concurrent: 2.4G 573.6 + 5G 1201 = AX1800 Mbps
Encryption	Support WPA2; support WPA3
Software	
Configuration	Auto channel scanning and selection; configurable BS profiles (frequency, bandwidth)
Local Web GUI	The Web GUI utilizes HTTP for logging on to the device, it's easy to control the device.
Encryption/Decryption	AES
Device Management	Web Access (Local)
Networks	IPv4, IPv6 Internet Protocol v4/v6, ICMPv6
Firewall	IP-based filter; port- (protocol-) based filter; MAC-based filter
Security	Port Forwarding, DMZ support; firewall for URL filter, MAC filter, DoS; support PIN and PUK based SIM card security; WAN Access Control; remote access control (HTTP)
DNS	DNS relay / DNS cache
Services	Broadcasting; multicasting
Software Update	Support local update; OTA update
Material	
Front / Rear	Plastic, painting
Battery Cover	Plastic, painting
Buttons	Plastic, WPS + Reset + Power
Packing	
Package Contents	Device 1pc; Battery 1pc, 5000 mAh; Type-C USB 1pc; label (model number / MAC / serial number); gift box; warranty; user manual
Certification	
Compliance	CE
Ordering Information	
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