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DWR-3000M/OT

High Power 5G CPE



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Technical Parameters	
Chipset	BCM6756+SDX62
CPU frequency	Quad core 1.7GHz
Memory	256MB 16-bit DDR3L
Flash	128M NAND
Wi-Fi	2T2R 2.4GHz 802.11b/g/n/ac/ax, 574Mbps 2T2R 5.8GHz 802.11a/n/ac/ax, 2402Mbps
Device Interfaces	1x RJ45 10M/100M/1000M LAN Ethernet 1 x RJ45 10M/100M/1000M WAN Ethernet interface 1 x Power jack 1 x power ON/OFF button 1 x SOS button 1 x sim slot
Wi-Fi Antenna	2 x 5dBi antennas
5G/LTE Antenna	4 x 8dBi antennas @ N28/B28
Wi-Fi Features	
Standard	802.11a/b/g/n/ac/ax 2.4G: 2.4~2.4835GHz 5G: 5.150~5.825GHZ Korea, Japan, ETSI, FCC channels can be selected
Modulation schemes	OFDM = BPSK,QPSK, 16-QAM, 64-QAM 256-QAM 1024-QAM DSSS = DBPSK, DQPSK, CCK
Transfer Rate	HE20: up to 574Mbps 2.4G+5G HE40: up to 1147Mbps 2.4G+5G HE80: up to 1201Mbps 5G HE160 up to 2402Mbps 5G
Positioning System	
GPS, BDS	
Accuracy	1.5m CEP
5G /LTE Features	
5G/ LTE Standards	Release 16, Cat.19 5G NR
5G/ LTE Frequency Support	5G NR :n1/3/5/7/8/20/28/38/40/41/75/76/77/78 LTE:1/3/5/7/8/20/28/32/38/40/41/42/43
5G/LTE Throughput	5G SA Sub-6 : DL 2.4Gbps; UL 900Mbps 5G NSA Sub-6: DL 3.2Gbps; UL 600Mbps LTE: DL 1.6Gbps; UL 200Mbps
MIMO	DL: 4 × 4 UL: 2 × 2(only support 5G SA)
Output Power	N28/B28 33dBm±2dBm Other band output power is 23dBm±2dBm

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General Software Features

Wireless Main Protocols:
IEEE 802.11a
IEEE 802.11b
IEEE 802.11g
IEEE 802.11n
IEEE 802.11ac
IEEE 802.11ax
IEEE 802.11h(dfs)
IEEE 802.11e(wmm)
IEEE 802.11k/v/r

Mobile Main Protocols:
3GPP Release 16

Mobile Spec Features:
5G SA
APN && Dial Settings
NAT support
Bridge Mode
Pin Management
Message Management
Sim lock/band lock/cell lock support
AT Command Web interface provided

Wireless Spec Features:
Embedded AP with 8 SSIDs on each Radio
Separate authentication for each SSID
Wmf
AutoChannel
BSD
easyMesh
WPA3/SAE Security

Other Spec Features:
QOS Flow Control
Samba/DLNA/FTP
NAT,NAPT and ALG
DMZ and Port forwarding(Virtual server)
SPI Firewall, Denial of Service (DoS) protection
Port filtering, IP filtering and MAC filtering
URL filter
DDNS
Static route
SNTP Date/time update from Internet Time Server
Diagnostics(Ping/TraceRoute)
Logs and statistics
Automatic timing restart

Network Main Protocols:
RFC0768 UDP
RFC0791 IP
RFC0792 ICMP
RFC0793 TCP
RFC0826 Ethernet ARP
RFC0894 IP over Ethernet
RFC0922 Broadcasting Internet Datagrams
RFC0950 Internet Standard Subnetting
IEEE802.3 Ethertype
IEEE802.1p
RFC2516 PPP Over Ethernet (PPPoE)
RFC1662 PPP in HDLC-like Framing
RFC1332 PPP Internet Protocol Control Protocol
RFC1042 Transmission of IP Datagrams over IEEE 802 Networks
IPoE (a.k.a IP over Ethernet over AAL5)

Network Spec Features:
IPv4/IPv6 dual stack
6RD
IPoE Bridge Mode
IPoE DHCP/Static
PPPoE Dynamic/Static
IPv6 Stateless/Stateful
PPTP, L2TP GRE IPSEC VPN
IGMP proxy and MLD for IPTV
DNS Proxy
DHCP server
NAT, NAPT and ALG

Management Features:
WEB GUI
Command line tools(telnet/ssh)
TR-069 remote mangagment
TR181/TR104/TR140/TR143/TR157(periodicstatistics)
SNMPv2
UPNP
Radius Client.
GNSS

Environment Requirement	
Operating Temperature	-10°C~70°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	5%~95% (typical)
Power Supply	24V/3A
EMC/Safety	
Regulation Compliance	CE
Safety Regulations	UL
Green Standard	RoHS