

Mercku 5G CPE X6

AX3000 Wi-Fi 6 | EasyMesh | dual-WAN
Qualcomm X62 | TR-369



Hardware Parameters	
Chipset 5G/LTE	Qualcomm SDX62
Chipset Wi-Fi	BCM6756 + BCM53134
CPU Frequency	Broadcom 1.7GHz Quad-core
Memory	512 MB DDR3
Flash	512 MB
Wi-Fi	2T2R 2.4GHz 802.11b/g/n/ac/ax, 576Mbps 2T2R 5.8GHz 802.11a/n/ac/ax, 2402Mbps
Device Interfaces	4 x RJ45 GE LAN Ethernet 1 x RJ45 2.5G WAN Ethernet 1 x RJ11 Voice Port 1 x USB 3.0 1 x Reset Button 1 x WPS Button SIM Card Slot Hidden TS9 Antenna Port
SIM	PIN Management, SIM Card Authentication
Wi-Fi Antenna	2 x 2, 2.4GHz & 5GHz Dual-Band Antenna
5G Antenna	8 Built-in Omnidirectional Antennas
5G Antenna Gain	8* 2~7dBi Internal Antenna
Dimensions	117 x 117 x 232.5mm
Color	Black/White
Wi-Fi Features	
Standard	802.11a/b/g/n/ac/ax 2.4GHz: 2.4~2.4835GHz 5GHz: 5.150~5.825GHZ
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
5G /LTE Features	
5G/ LTE Standards	Release 16, Cat.19 5G NR
5G/ LTE Frequency Support	5G NR SA: n1/n3/n7/n8/n20/n28/n38/n40/n41/n71/n77/n78 5G NR NSA: n1/n3/n7/n8/n20/n28/n38/n40/n41/n71/n77/n78 LTE FDD: B1/B3/B7/B8/B20/B28/B71 LTE TDD: B38/B40/B41/B42/B43
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: 4x4 UL: 2x2 (Only support 5G SA)
Environment Requirement	
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~ 90°C
Operating Humidity	5%~95% (Typical)
Power Supply	12V/2A

Software Features	
Wireless Main Protocols	- IEEE 802.11a, b, g, n, ac, ax - IEEE 802.11h (DFS) - IEEE 802.11e (WMM) - IEEE 802.11k/v/r
Wireless Spec Features	- Embedded AP with 4 SSIDs on each Radio - Separate Authentication for each SSID - WMF - Auto-Channel - EasyMesh R2 - Mesh with Mercku M6s
Standard	- 5G SA & 5G NSA - VoLTE - APN & Dial Settings - NAT Support - Pin Management - Message Management - SIM Lock/Band Lock Support - AT Command Web Interface Provided
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) - 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
Other Spec Features	- QOS Flow Control - 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
Management Features	- WEB GUI - Command Line Tools (Telnet/SSH) - TR-069 Remote Management (TR-143, TR-111, TR181, TR-369) - Mercku NOC - UPNP - SNMPv2
Certifications	
Regulation Compliance	CE, FCC, IC, UKCA, RCM
Safety Regulations	UL
Green Standard	RoHS