

5G & WiFi-6 Smart Router System (CPE)

ETS5000X Product Datasheet

Summary

5G & WiFi-6 Smart Router System (CPE), is based on brand-new embed platform, it can be satisfied with growing-up mobile **connections** requirements and provides the fast speed beyond your imagination.

The CPE is compatible with NSA/SA dual-mode, suits to all network types all over the world, it means you just plug and play it and enjoy the ultra-fast broadband connection at any places.

The CPE brings the new way to enable you experience VR/AR/4K/8K streaming freely and easily. With 802.11ax (Wi-Fi 6) technology built-in, the single CPE has wider wireless coverage and more bandwidth. Meanwhile the CPE brings higher security, better network efficiency and longer battery life.



Make WiFi Smarter, Turn Life Easier

Key Features

■ 5G Cellular

Built-in Qualcomm™ SDX55 modem, it has best 5G mobile network performance and works with integrated world-wide 5G to 2G multi-mode.

■ Wi-Fi 6 (802.11ax)

The revolutionary Wi-Fi technology with OFDMA and DL MU-MIMO, faster wireless line, more client connection, lower latency, best network efficiency.

■ Higher Wireless Capacity

Dual-band 6 spatial streams, the CPE outputs 3100Mbps wireless bandwidth (600 + 2475), makes you peace of mind while enjoy UHD videos, online games at the home rush hours. It's the future-proof investment absolutely.

■ Hybrid MESH+ Networking

The CPE inherits the mesh technology and supports "wired / wireless" hybrid networking. It's so convenient to cover all corners and dead-zones by adding one more MESH+ node (another series of router). It improves the deployments of wireless network and optimized the seamless feature.

Datasheet

■ 5G Cellular

- 1) 5G SoC: Qualcomm® Snapdragon™ X55 Modem-RF System
- 2) 5G Network Modes:FDD, TDD, SA (standalone), NSA (non-standalone)
- 3) 4G Techs: LTE FDD, LTE TDD including CBRS support, LAA, LTE Broadcast
- 4) 5G Standards:3GPP Release 15
- 5) 5G Transmission Speed:2.5Gbps/1.25Gbps (up to ISPs)
- 6) 4G Transmission Speed:1.6Gbps/150Mbps (up to ISPs)
- 7) Antenna:built-in 5G/4G Main / Diversity antennas

■ WiFi Feature

- 1) Working Radio: #1: 600Mbps @ 2.4GHz; #2: 2475Mbps @ 5.0-5.8GHz
- 2) Coding Technology:1024-QAM / OFDMA
- 3) Peak Connections:>500+ Clients
- 4) Wi-Fi Standard Conformance:WiFi6 and 802.11ac / 802.11n backward
- 5) Antenna: built-in 6 pcs high performance antennas with 12 pcs external FEM components.

■ Data Switching

- 1) Mobile 4G/5G Connection (Support APN)
- 2) Giga Ethernet Connection
- 3) MESH:MESH+ hybrid
- 4) 2.4G/5Ghz WiFi
- 5) Advanced Firewall
- 6) MAC Filter
- 7) WiFi Security
- 8) VPN Passthrough and VPN Client (L2TP PPTP)
- 9) IPV4/IPV6
- 10) WEB / APP Management
- 11) Firmware upgrade

■ Hardware Specification

- 1) CPU: Quad-core CPU @ 1.0 GHz
- 2) Memory:16MB Flash + 128MB NAND + 2* 256MB DDR3
- 3) Ethernet:1* Wan/LAN 1Gbps ,1*LAN 1Gbps,1*LAN 2.5Gbps,1* SIM Slot (Nano-SIM)
- 4) Reset & Sync button (re-use)
- 5) LED Indicator
 - Working Status (breathing light)
 - 4G Status
 - 5G Status
 - Internet Status
- 6) General
 - Power Consumption:<23W
 - AC/DCP Power Supply:AC:100V-240V 50Hz/60Hz, DC:12V/2A
 - Working temperature:0°C ~ 40°C, Storage temperature: -20°C ~ +70°C

- Humidity:5% ~ 95%
- Dimensions:108X108X216MM
- Weight: TBD

What's in the package?

- One (1) 5G CPE Router(EST5000X)
- One (1) 1m Cat5e Ethernet cable
- One (1) Power Adapter
- Quick start guide



Maximum wireless signal range derived from IEEE standard 802.11 specifications. Actual data throughput and data over distance will vary. Network conditions and environmental factors, including volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput rate and wireless coverage.