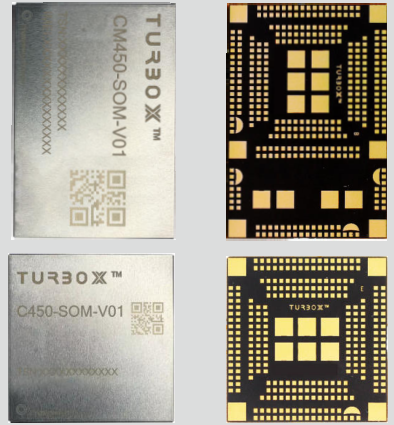


TURBO X CM450/C450 SOM

Cost-effective compute module gives broad access to networks in all regions of the world.



The CM450/C450 SOM (System On Module) is designed based on the Qualcomm SDM450/SDA450 platform. It brings high-value features to mid-tier devices, designed to support all-day battery life, fast LTE connectivity, enhanced camera, advanced graphics, and more. The ultra-compact form factor of the module can be fit into any mobile device such as translator, handheld pos and tablet. It is ideal platform for OEMs to rapidly develop cost-effective cellular devices to the market.

Applications



Translator



Dash Camera



POS

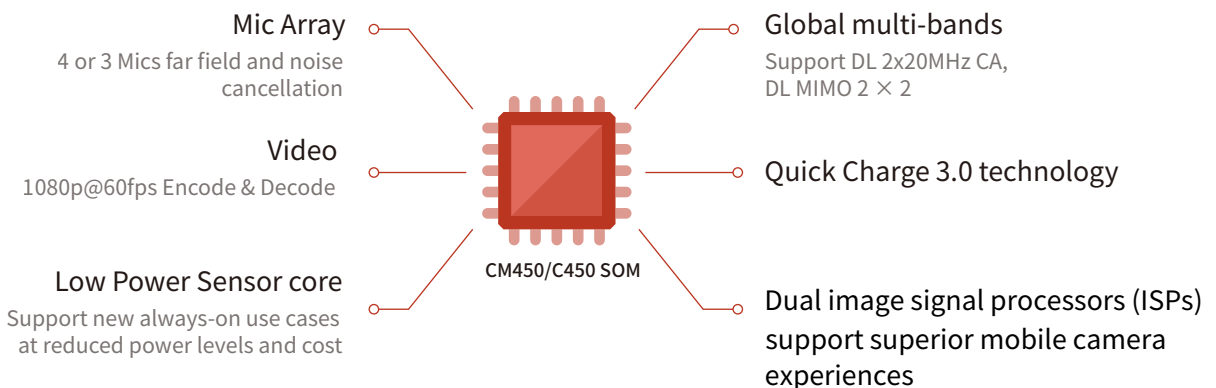


Digital Signage



Vending Machine

Features



Specifications

Category	Description
Platform	Snapdragon™ SDM450/SDA450, Octa-Core, 64-bit, 1.8GHz Qualcomm® Adreno™ 506 GPU Qualcomm® Hexagon™ QDSPv56
Memory	LPDDR3 2GB+eMMC 16GB / LPDDR3 3GB+32GB
WWAN (CM450 Only)	Global bands supported: LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B18, B19, B20, B26, B28 LTE TDD: B38, B39, B40, B41, B71 WCDMA: B1, B2, B3, B4, B5, B6, B8, B19 CDMA: BC0 GSM: 850/900/1800/1900MHz Cat 6 Modem with 2x20MHz CA, DL MIMO 2 × 2 GNSS: GPS, Galileo, GLONASS, BeiDou
Connectivity	WiFi 802.11 ac/a/b/g/n & BT 4.x (BR/EDR + BLE)
Encode	1080p@60fps (H.264/H.265/VP8)
Decode	1080p@60fps (H.264/H.265/ VP8/VP9)
Display Interfaces	2x MIPI-DSI 4-lane ; FHD(1920*1200)@60fps
Camera Interfaces	3x MIPI-CSI, 4-lane, 2.1 Gbps per lane; supports CMOS and CCD sensors Up to 24 MP sensors
Other Interfaces	1 x Slimbus; 1 x USB 3.0; 1 x SDIO; 2 x I2S; 8 x BLSP; GPIOs
Operating Environment	Operation Temperature: -20°C ~ 70°C Operation Humidity: 5%-95%, non-condensing
Voltage	3.8V ~ 4.2V
Dimension	CM450: 35 x 51 x 2.5mm(Modem version) C450: 35 x 34 x 2.5mm(Wifi only)
OS Support	Android 10

Dev Kit

Display

- HDMI Out
- Mipi Display
- LVDS,eDP

Camera

- Autofocus Module with flash LED,OV13B10

Audio

- WCD9335 Codec: Mic, Speaker, Headset

Peripheral

- Ethernet
- USB 3.0/USB 2.0
- SD Card
- Expansion Connector: Uart,SPI,I2S,PWM

Connectivity

- Wifi & BT & NFC
- External Antenna:LTE,GNSS Wifi,BT



Purchase Link:

https://www.thundercomm.com/app_en/product/1591955815387684?index=0&categoryId=category0&tabIndex=1