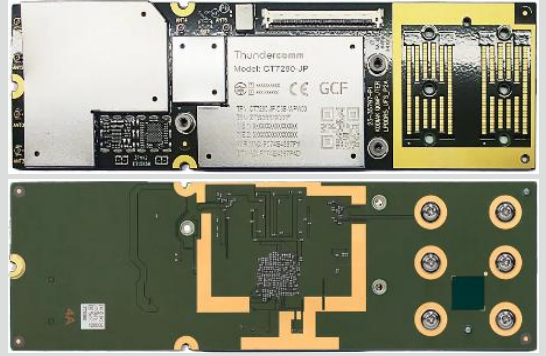


Thundercomm

TURBO X

CT7280 SOM



TurboX CT7280 SOM is a highly integrated SOM (System on Module) which is powered by premium-tier Snapdragon® 7c+ Gen 3 (SC7280) processor, a 6 nm processor with superior performance, power efficiency, and powerful computing (6 TOPS). TurboX CT7280 SOM supports Windows 11 and Windows 11 IoT. TurboX CT7280 SOM is a high performance Windows SOM for building PC, Triple-shield-tablet, Mini PC, Industrial PC, POS, providing customers with hardware interfaces and software SDK to validate functions and build the prototype quickly.

Applications



PC



Triple-shield-tablet



Mini PC

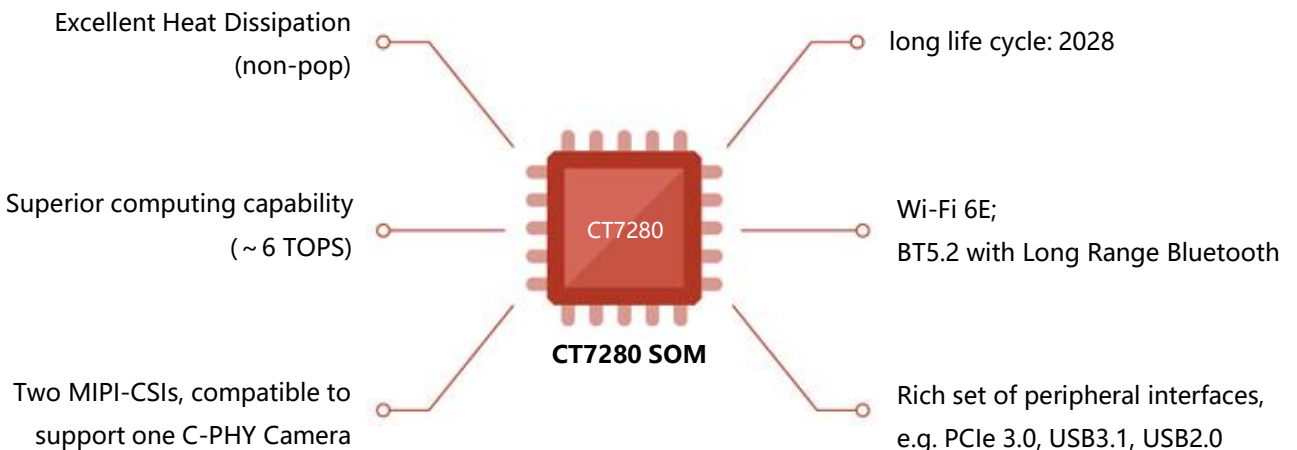


Industrial PC



POS

Features



Specifications

Category	Description
Dimensions/Weight /Form Factor	<ul style="list-style-type: none"> • Dimensions: 129mm x 40mm x 3.14mm • Weight: 25g±1g • Interface form factor: LGA
Platform	Snapdragon® 7c+ Gen 3 (SC7280) Kryo CPU 4x Gold @ 2.4GHz + 4x Silver @ 1.8GHz Qualcomm® Adreno™ GPU 642L Hexagon™ DSP with Hexagon Vector eXtensions (HVX) and Hexagon Tensor Accelerator: ~6 TOPs int8 LPI, ML HW accelerator, V66M 1.4GHz 2xSoundwire
Memory	4GB LPDDR5 + 128GB UFS3.1 8GB LPDDR5 + 256GB UFS3.1
Connectivity	5G NR Sub-6GHz , LTE Cat.18, DC-HSPA+, CDMA, WCDMA, and GSM Wi-Fi 6/IEEE802.11ax/ac/a/b/g/n, Bluetooth 5.2
Interface	Spectra ISP 3x 22MP, 2x CSI Primary: FHD+ 144FPS or eDP1.4 External: 4K@60FPS v1.2DP over USB3 1x USB3.1 Gen 1, 1x USB2.0 2x PCIe Gen3 (1-lane, 2-lane)
Certification	NA-FCC*/EU-RED*/JAP-TELEC*/TW-NCC*/CAN-ISED*/AU-RCM*/BT-SIG*/GCF*/WFA*
Operating Environment	-25°C to +75°C
OS	Windows 11 / Windows 11 IoT

* Planning



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