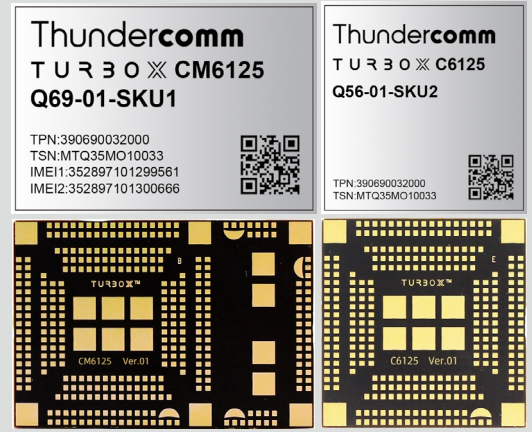


Thundercomm

TURBO X

CM6125/C6125 SOM



The CM6125/C6125 SOM (System on Module) is designed based on the Qualcomm® QCM6125/QCS6125 platform which can be seen as a successor of Qualcomm® SDA660/SDM660 platform. Powered by the 3rd generation Qualcomm® AI Engine: Adreno 610 GPU and Hexagon 686 DSP (dual-HVX512), the Qualcomm® QCM6125/QCS6125 platform can provide advanced on-device imaging and computing, such as Smart Cropping, 3D Face Recognition, and Object Detection. It is an ideal platform for customers to design smarter and more engaging products to the market.

Applications



Dash Camera



Video Conference



Robotics

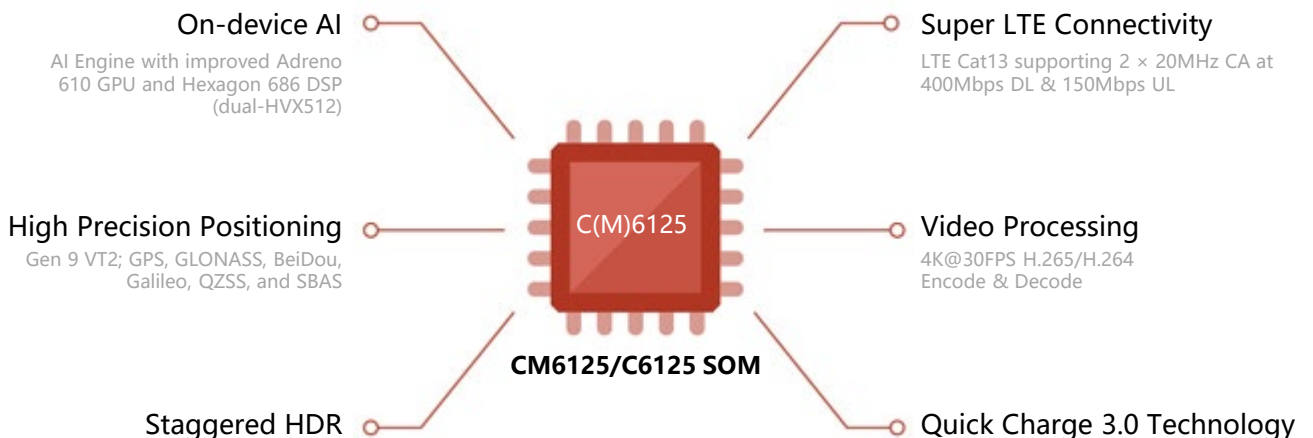


New Retail Devices



Handheld Devices

Features



Category	CM6125-EA	CM6125-NA	C6125
Region	Europe/ India/ Korea/ South Asia/ Latin America/ Australia/ South Africa/ China/ Japan	North America	Global (Wi-Fi only)
Platform	Qualcomm® QCM6125/QCS6125 Kryo260 CPU: 4 x Gold @ 2.0GHz + 4 x Silver @ 1.8GHz Qualcomm® Adreno™ 610 GPU, Adreno™ DPU 851 Qualcomm® Compute DSP with Hexagon Vector eXtensions (dual-HVX512), Audio DSP		
Memory	LPDDR4x 3GB/2GB + eMMC 5.1 32GB, LPDDR4x 4GB + eMMC 5.1 64GB		
Connectivity	Wi-Fi 1 × 1 802.11a/b/g/n/ac, Bluetooth 5.0		
Air interface	LTE FDD	B1/B2/B3/B4/B5/B7/B8/B18/B19/B20/B26/B28(A+B)	B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B66/B71 NA
	LTE TDD	B34/B38/B39/B40/B41	B41 NA
	WCDMA	B1/B2/B4/B5/B6/B8/B19	B2/B4/B5 NA
	GSM/EDGE	850/900/1800/1900 MHz	NA NA
	GNSS	Gen 9 VT2; GPS, GLONASS, BeiDou, Galileo, QZSS, and SBAS	NA NA
Encode	4K@30FPS/1080P@120FPS (H.265/H.264/VP8)		
Decode	4K@30FPS/1080P@120FPS (H.265/H.264/VP8/VP9)		
Display Interfaces	One 4-lane; DSI D-PHY 1.2, Split link supported, Up to FHD+ (1080 × 2520)@60FPS; One DisplayPort 1.4 over USB-C (external)		
Camera Interfaces	2 x ISP 14-bit: 16 + 16 MP, and 25MP@30FPS ZSL MIPI combination D-PHY 1.2 /C-PHY 1.0 configurable in 4/4/4 or 4/4/2/1		
Other Interfaces	1 x SLIMbus; 1 x SoundWire; 1 x USB 3.0 with DP/ USB 2.0; 1 x SD Card; 5 x I2S; 10 x QUP; 2 x UIM; GPIOs		
Operating Environment	Operation Temperature: -25°C ~ +75°C Operation Humidity: 5%~95%, non-condensing		
Dimensions	CM6125: 51mm x 35mm x 3mm (Modem version) C6125: 34mm x 35mm x 3mm (Wi-Fi version)		
OS Support	Android 10, Android 11*, Android 13*		
Certification	CM6125: CE, FCC, RoHS, Reach, Halogen Free, GCF C6125: CE, FCC, KC, JATE, TELEC, ROHS		

* Planning



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