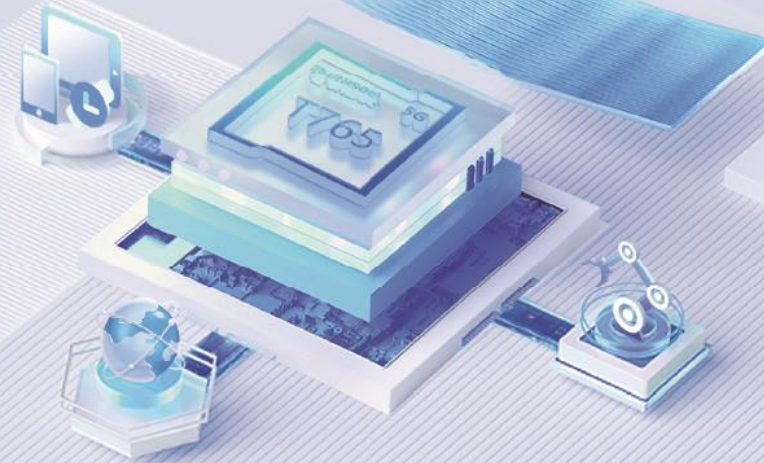




T765

Mid-range 5G mobile platform with enhanced visual-audio experience

UNISOC T765 has a significant improvement in the CPU/GPU performance, support up to 108 MP camera, 4K high-definition video recording, FHD+ display, 120Hz refresh rate and 5G dual-SIM dual-standby capabilities, this platform will offer excellent multimedia experience.



Product Advantages

Multimedia

- Vivimagic 6.0 image engine, quad-core ISP architecture (2 main + 2 auxiliary), supports up to 108 MP camera and triple cameras with 64MP+20MP+13MP;
- Equipped with dedicated XDR multi-frame and multi-exposure shooting capabilities for super night mode, T765 is able to restore greater detail and provide higher-quality night scene effects;
- 4K high-definition video recording;
- Provide AI FaceID, AI-scene recognition and gesture control for taking photos, AI Face Detection, AI-Bokeh, etc.

Display

- FHD+ display, 120Hz refresh rate;
- Display stream compression;
- HDR10+ image quality;
- Uses variable refresh rate (VRR) and intelligent resolution switching technology, enabling the display refresh rate on the device to sync intelligently with that within the games, movies, or other content, providing users with a smooth, high-definition experience, while improving battery life.

Audio

- Features AI noise reduction and smart PA power amplifier technologies, which ensure enhanced bass and better sound quality;
- Digital audio technology to ensure the quality of professional audio-visual recording;
- Low-power voice wake-up system, supporting voice assistant applications;

Modem

- Coverage enhancement for all scenarios;
- 2G to 5G networks;
- TDD+FDD CA in the Sub-6GHz spectrum with 130MHz bandwidth;
- SA and NSA networking modes, dual SIM dual VoNR and VoWiFi;

Performance

- Octa-core CPU clocked up to 2.3 GHz;
- Mali-G57 MC2 @ 850MHz GPU;
- Dual-channel UFS 3.1 storage, LPDDR4x memory, with faster read/write speeds;

Process

- TSMC 6nm EUV;

Specifications

Processor	CPU	2×A76@2.3GHz + 6×A55@2.1GHz
	Max CPU Frequency	2.3GHz
	Cores	Octa-core
	Process	6nm EUV
Graphics	GPU	Arm Mali G57 MC2 @850MHz
	Display Resolution	FHD+@120Hz
	Video decoding	4K @30fps
	Video coding	4K @30fps
Memory	Memory Type	LPDDR4X
	Max Memory Size	LPDDR4X 2133MHz
	Storage Type	eMMC 5.1/UFS 3.1/UFS2.2
Camera	Camera	Up to 108M normal 32M@25fps 20M+20M@30fps
	MIPI	4CD+4D(2+2)+4D(2+2)
	Cellular	NSA/SA/GSM/WCDMA/ TDD-LTE/FDD-LTE
Connectivity	Category	NR R15, LTE DL Cat15/UL Cat18
	GNSS	GPS+Glonass+Beidou+Galileo
	Wi-Fi	802.11 b/g/n/ac
	BT	Bluetooth® 5.0
	FM	Yes
Security	Solution	TEE

GNSS/Wi-Fi/BT/FM: UMW2652



Note: The power consumption and security improvement data on this page are from the test data of UNISOC Laboratory. The actual situation may vary slightly depending on the version and test environment.