

MT8783 Processors Offered for OEM Manufacturers

The Mediatek logo consists of the word "MEDIATEK" in white, uppercase, sans-serif font, centered within a blue parallelogram shape that is wider at the top and bottom and narrower in the middle.

MEDIATEK

Customers Can choose Different Base Frequency of processors for their Home & Business Requirements improving Productivity under OEM co-operation program offered exclusively on Mediatek powered Ewis Android Devices

Processors	MT8783	MT8783T
Grade/ Frequency	Normal	High
Process	28nm	28nm
Speed	8x Cortex-A53 1.3GHz	8x Cortex-A53 1.5GHz
Apps CPU	64-bit CPU	64-bit CPU
	L2: 512KB + 256KB LPDDR2 533MHz	L2: 512KB + 256KB LPDDR2 533MHz
Memory	LPDDR3 733MHz	LPDDR3 800MHz
	16MP@30fps Dual ISP	16MP@30fps Dual ISP
Camera	VIV/PIP, vFB 1080p 30fps	VIV/PIP, vFB 1080p 30fps
Video Decode	H.265	H.265
Video Encode	1080p 30fps	1080p 30fps
Graphics	ARM MaliT720-MP3 450MHz	ARM MaliT720-MP3 600MHz
	1920x1200	1920x1200
Display	MiraVision	MiraVision
	LTE FDD/TDD R9 Cat4	LTE FDD/TDD R9 Cat4
	DC-HSPA+ R8 42/11Mbps	DC-HSPA+ R8 42/11Mbps
	TD-SCDMA/EDGE	TD-SCDMA/EDGE
Modem	CDMA2000 1x/EVDO Rev. A	CDMA2000 1x/EVDO Rev. A
	Integrated Wi-Fi 5G	Integrated Wi-Fi 5G
Connectivity	HotKnot Support	HotKnot Support

Processor Variants	MT8783 V/C	MT8783 V/CT	MT8783 V/W	MT8783 V/WT
Size	28nm	28nm	28nm	28nm
Process	8x Cortex-A53 1.3GHz	8x Cortex-A53 1.5GHz	8x Cortex-A53 1.3GHz	8x Cortex-A53 1.5GHz
Apps CPU	64-bit CPU L2: 512KB + 256KB	64-bit CPU L2: 512KB + 256KB	64-bit CPU L2: 512KB + 256KB	64-bit CPU L2: 512KB + 256KB
	LPDDR2 533MHz	LPDDR2 533MHz	LPDDR2 533MHz	LPDDR2 533MHz
Memory	LPDDR3 733MHz	LPDDR3 800MHz	LPDDR3 733MHz	LPDDR3 800MHz
	16MP@30fps Dual ISP	16MP@30fps Dual ISP	16MP@30fps Dual ISP	16MP@30fps Dual ISP
Camera	VIV/PIP, vFB	VIV/PIP, vFB	VIV/PIP, vFB	VIV/PIP, vFB
	1080p 30fps	1080p 30fps	1080p 30fps	1080p 30fps
Video Decode	H.265	H.265	H.265	H.265
	1080p 30fps	1080p 30fps	1080p 30fps	1080p 30fps
Video Encode	ARM MaliT720-MP3 450MHz	ARM MaliT720-MP3 600MHz	ARM MaliT720-MP3 450MHz	ARM MaliT720-MP3 600MHz
Graphics	1920x1200	1920x1200	1920x1200	1920x1200
Display	Mira Vision	Mira Vision	Mira Vision	Mira Vision
	LTE FDD/TDD R9 Cat4	LTE FDD/TDD R9 Cat4	LTE FDD/TDD R9 Cat4	LTE FDD/TDD R9 Cat4
Modem	DC-HSPA+ R8 42/11Mbps	DC-HSPA+ R8 42/11Mbps	DC-HSPA+ R8 42/11Mbps	DC-HSPA+ R8 42/11Mbps
	TD-SCDMA/EDGE	TD-SCDMA/EDGE	TD-SCDMA/EDGE	TD-SCDMA/EDGE
	CDMA2000 1x/EVDO Rev. A	CDMA2000 1x/EVDO Rev. A		
Connectivity	Integrated Wi-Fi 5G	Integrated Wi-Fi 5G	Integrated Wi-Fi 5G	Integrated Wi-Fi 5G
	HotKnot Support	HotKnot Support	HotKnot Support	HotKnot Support