

匠芯创D12x系列显示控制MCU芯片选型表

产品型号	CPU	存储		封装	HMI和多媒体						通信和接口						计时器					IO	安全	启动	结温	包装		
		RAM	FLASH		图形加速	显示接口	触摸	摄像头	图像编解码	音频	以太网	USB控制器	SDIO	UART	I ² C	CAN	SPI	ADC	PWM	EPWM	CAP						GTC	RTC
D121BAV	RISC-V 32bit @400MHz 1.1V I-Cache 32KB D-Cache 16KB	Built-In 32KB SRAM 4MB PSRAM 8bit 位宽	external SPI NAND/Nor Flash, eMMC 4.41	QFN68, 7x7mm, 0.35mm	2D	RGB/SPI/8080 800x480@60FPS	Built-In 4线RTP	NO	JPEG Decoder 1024x768@60fps PNG Decoder 1024x768@30fps	DSPK	NO	NO	2	4	2	0	2	6	2	0	0	1	0	60	SPI总线加密, eFuse	200ms	-20~105°C	盘260包2600
D121BBV	RISC-V 32bit @400MHz 1.1V I-Cache 32KB D-Cache 16KB	Built-In 32KB SRAM 8MB PSRAM 16bit 位宽	external SPI NAND/Nor Flash, eMMC 4.41	QFN68, 7x7mm, 0.35mm	2D	RGB/SPI/8080 1024x768@60FPS	Built-In 4线RTP	NO	JPEG Decoder 1024x768@60fps PNG Decoder 1024x768@30fps	DSPK	NO	NO	2	4	2	0	2	6	2	0	0	1	0	60	SPI总线加密, eFuse	200ms	-20~105°C	盘260包2600
D121BCV	RISC-V 32bit @400MHz 1.1V I-Cache 32KB D-Cache 16KB	Built-In 32KB SRAM 16MB PSRAM 16bit 位宽	external SPI NAND/Nor Flash, eMMC 4.41	QFN68, 7x7mm, 0.35mm	2D	RGB/SPI/8080 1024x768@60FPS	Built-In 4线RTP	NO	JPEG Decoder 1024x768@60fps PNG Decoder 1024x768@30fps	DSPK	NO	NO	2	4	2	0	2	6	2	0	0	1	0	60	SPI总线加密, eFuse	200ms	-20~105°C	盘260包2600
D121BDV	RISC-V 32bit @400MHz 1.1V I-Cache 32KB D-Cache 16KB	Built-In 32KB SRAM 32MB PSRAM 16bit 位宽	external SPI NAND/Nor Flash, eMMC 4.41	QFN68, 7x7mm, 0.35mm	2D	RGB/SPI/8080 1024x768@60FPS	Built-In 4线RTP	NO	JPEG Decoder 1024x768@60fps PNG Decoder 1024x768@30fps	DSPK	NO	NO	2	4	2	0	2	6	2	0	0	1	0	60	SPI总线加密, eFuse	200ms	-20~105°C	盘260包2600
D123BAV	RISC-V 32bit @400MHz 1.1V I-Cache 32KB D-Cache 16KB	Built-In 32KB SRAM 4MB PSRAM 8bit 位宽	external SPI NAND/Nor Flash, eMMC 4.41	QFN68, 7x7mm, 0.35mm	2D	RGB/SPI/8080 800x480@60FPS	Built-In 4线RTP	NO	JPEG Decoder 1024x768@60fps PNG Decoder 1024x768@30fps	DSPK	NO	NO	2	4	2	2	2	6	2	0	0	1	0	60	SPI总线加密, eFuse	200ms	-20~105°C	盘260包2600
D123BBV	RISC-V 32bit @400MHz 1.1V I-Cache 32KB D-Cache 16KB	Built-In 32KB SRAM 8MB PSRAM 16bit 位宽	external SPI NAND/Nor Flash, eMMC 4.41	QFN68, 7x7mm, 0.35mm	2D	RGB/SPI/8080 1024x768@60FPS	Built-In 4线RTP	NO	JPEG Decoder 1024x768@60fps PNG Decoder 1024x768@30fps	DSPK	NO	NO	2	4	2	2	2	6	2	0	0	1	0	60	SPI总线加密, eFuse	200ms	-20~105°C	盘260包2600
D123BCV	RISC-V 32bit @400MHz 1.1V I-Cache 32KB D-Cache 16KB	Built-In 32KB SRAM 16MB PSRAM 16bit 位宽	external SPI NAND/Nor Flash, eMMC 4.41	QFN68, 7x7mm, 0.35mm	2D	RGB/SPI/8080 1024x768@60FPS	Built-In 4线RTP	NO	JPEG Decoder 1024x768@60fps PNG Decoder 1024x768@30fps	DSPK	NO	NO	2	4	2	2	2	6	2	0	0	1	0	60	SPI总线加密, eFuse	200ms	-20~105°C	盘260包2600

支持以下合封定制:

- 1) 合封Nor Flash, 2MB/4MB/8MB/16MB