

High-Performance Processor, Providing an Excellent Audio-Visual Experience

X6A1 is equipped with the TR660 chip, which is a high-performance, industrial-grade MCU for high-definition displays and intelligent control based on RISC-V architecture. It has a high frequency of up to 600MHz and supports up to 4Gb of FLASH, allowing smooth operation of various upper-layer applications and graphic interfaces. This makes it well-suited for display driver scenarios.



Efficient Development, Accelerating the Implementation of Applications

X6A1 integrates a GUI system and TDO self-developed HMI software: Graffe IDE, enabling it's multiple controls. It also incorporates graphic acceleration and hardware decoding, supporting 2D acceleration, as well as JPEG/PNG decoding to significantly improve the speed and efficiency of image processing. Additionally, it supports video playback and MP3/WAV audio playback.

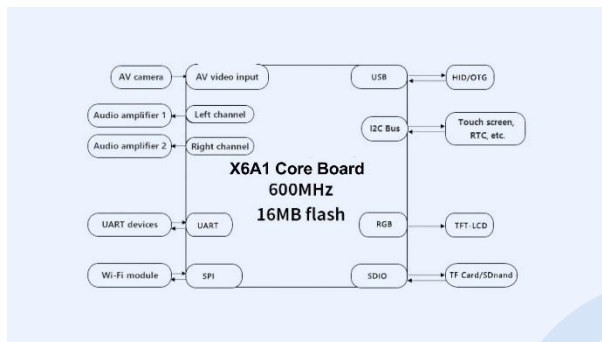


GIRAFFE supports C code compilation, which is very useful for developers. They can design user interfaces and communication without cumbersome code writing with GIRAFFE. This greatly shortens the development time of product human-machine interfaces.

Rich Interfaces, Meeting Diverse Needs

X6A1 is compatible with RGB/LVDS/MIPI, and can flexibly be paired with displays ranging from 3.5" to 21.5". It supports a maximum resolution of 1920*1080@60Hz, presenting delicate and realistic images, and it also supports capacitive or resistive touch.

The module is equipped with a rich set of GPIO peripheral interfaces, supporting IIC/SPI/UART/PWM/ADC, making it widely applicable in industrial automation control, smart instruments and meters, medical devices, as well as smart home appliances.



X6A1 core board integrates multiple communication interfaces, greatly simplifying peripheral circuit design and wiring work. Additionally, it supports rich customization services, including interface design, function development, and integration solutions.

Furthermore, our core board supports hardware open source, allowing users to customize development according to your own needs.