

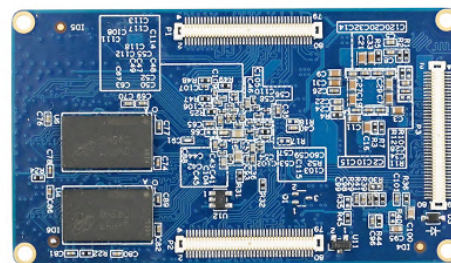
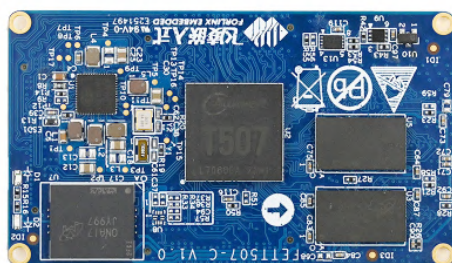
DESCRIPTION



FETT507-C system on module is based on Allwinner quad-core automotive grade SoC T507 belongs to Cortex-A53 architecture runs at speed up to 1.5GHz, and it integrates with G31 GPU, carries 2GB DDR3L and 8GB eMMC on-board. It supports most mainstream video and image codec forms. It has advantages of industrial grade, low power performance and plenty peripherals, can support Linux, Android and Ubuntu TBD very well, applicable for car electronics, power industry , medical, industrial control , IoT and all kinds of smart devices.

SoM FETT507-C Features

CPU	Allwinner T507	UART	≤ 6, up to 4Mbit/s
Architecture	Cortex-A53	IIC	≤ 5
Frequency	1.5GHz	SPI	≤ 1
RAM	2GB DDR3L	SD/MMC/SDIO	2
ROM	8GB eMMC	USB	4x USB2.0, 1x OTG, 3x Host
OS	Linux4.19, Forlinx Desktop18.04, Android 10	PWM	≤ 6
Voltage input	5V	Audio Coder	1
Working Temp	-40°C ~+85°C	GPADC	4
Package	3x 80-pin connector, 0.5mm	SCR	1, ISO/IEC 7816-3
Dimensions	40mm x 70mm	CIR	1
GPU	CVBS output, supports NTSC and PAL; HDMI2.0a, 4K@60FPS RGB/ LVDS, up to 1920x1080@60fps	IIS/PCM	4, 3 for peripheral, 1for HDMI
Display	CVBS,HDMI 2.0a, 4K@60fps RGB/LVDS, 1920x1080@60fps	Ethernet	2, 1x 10/100Mbps RMII, 1x 10/100/1000Mbps RGMII
Video Coder	Hardware decode: H.265, VP9, VP8, AVS2, up to 4K@60fps; H.264 up to 4K@30fps; Hardware encode: H.264, up to 4K@25fps; MJPEG, up to 4K@15fps		
Camera	1x 4-lane MIPI-CSI, capturing rate up to 8M@30FPS or 4x 1080P@25FPS; 1x DVP, up to 5M@ 15FPS or 1080P@30FPS		



OKT507-C Carrier Board Features			
Display	1x RGB888, 1x HDMI, 1x TVOUT 1x dual 8-bit LVDS LVDS is multiplexed with RGB	KEY	6, VOL+, VOL-, MENU, ENTER, HOME, PWRON
Audio	1x Line OUT, 1x MIC, 1x Phone, 2x Speaker	4G	Mini PCIe socket
Ethernet	1x 10/100Mbps, 1x 10/100/ 1000Mbps	RTC	1
UART	TTL, 10-pin header	ADC	4, 1.8V
Camera	1x 4-lane MIPI-CSI, 1x 8-bit DVP	PWM	1, for display backlight
USB Host	2, USB2.0 Type-A femal connector	SD/MMC/SDIO	compatible with SD3.0
USB OTG	1x Micro USB, host/ slave optional, for OS installation	WiFi&BT	Model: AP6256 WLAN: IEEE 802.11b/g/n BT: BT5.0

TARGET APPLICATION

Navigation, smart device, industrial control, machine vision, IoT, digital signage, medical, etc.

