

OVERVIEW



FETT3-C system on module (SoM) is based on Allwinner Cortex-A7 quad-core in car entertainment navigation system processor T3 @ 1.2GHz, it has built-in GPU Mali400MP2, and has on-board 1GB DDR3L and 8GB eMMC. The whole board is designed with industrial grade temp width, can it can support most video and image decoding forms. Supported with OS Android and Linux, excellent industrial grade product performance

SoM FETT3-C Features

CPU	Allwinner T3	UART	8
Architecture	Cortex-A7	IIC	5
Frequency	1.2GHz	SPI	4
RAM	1GB DDR3(2GB optional)	Camera	2x DVP, 4x TVIN
Flash	8GB eMMC	SD/MMC/SDIO	4
OS	Linux3.10+QT5.9, Android7.1	USB	2x USB2.0 Host, 1x USB2.0 OTG
Voltage input	DC5V	SATA	1
Working Temp	-20°C~ +85°C / -40°C~ +85°C	PWM	8
Package	4x 80-pin connector, 0.5mm	Audio codec	1
Dimensions	45x 68mm	JTAG	1
PMIC	AXP221S	Keypad	1
GPU	Mali400MP2	key ADC	2
Video codec	hardware codec	SMC	2
Display	2x RGB888, 2x 8-bit LVDS, 1x HDMI 1x MIPI-DSI, 4x TVOUT	PS2	2
IIS/ PCM	2	CIR	2
Ethernet	1x 10/100Mbps ; 1x 10/ 100/ 1000Mbps	AC97	1



OKT3-C Carrier Board Features

Display	1x RGB888, 1x 8-bit LVDS, 1x HDMI 1x MIPI-DSI, 1x TVOUT	SATA	1
Audio	1x MIC, 1x Phone, 1x Speaker	WiFi& BT	1
Ethernet	1x 10/100Mbps, 1x 10/100/ 1000Mbps	JTAG	1
UART	4(2x 5-wire, 2x 3-wire)	RS485	1, isolated
RS232	1, debug port	4G	1
IIC	4	LED	2
SPI	2	PWM	1
Camera	1x DVP, 4x TVIN	RTP	4
SD/MMC/SDIO	2x SD card, 1x SDIO	SMART_CARD	1
USB Host	3, USB2.0	Key	3
USB OTG	1, USB2.0	RTC	1

TARGET APPLICATION

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

