

Embedded Computing Platform

Typical Applications

- Medical control panels
- Mobile
- Handheld

Features and Benefits

- Configurable and reusable embedded computing platform - tailored for Natural User Interface development and product integration
- Configurable to meet functional, compliance, mechanical packaging and software requirements
- Tailored for touch user interface applications
- Modular integration via pre-defined PCB building blocks
- Low to medium product volumes
- Platform specific and modular Linux and Android OS integration

Configurable, modular, and cost effective



Why design in more computing power than you need? Esterline Interface Technologies integrates our embedded computer solution into your custom device. Get the features, connectivity, and form factor required for your application by defining the requirements you need.

Our manufacturing processes accommodate custom configurations in low to medium volumes. Unlike most board level integrators, Esterline Interface Technologies is the extension

of your engineering department. We handle the integration of user interface hardware, firmware and device level software; operating system integration and maintenance. Our component life cycle management allows for product evolution, compliance, and reliability.



SPECIFICATIONS

SYSTEM

Processor	ARM Corted A8 based, TI OMAP 3503 or 3530, 600 MHZ
System memory	128MB SDRAM
LCD controller	TTL and LVDS
Ethernet	10/100 Base-Tx
	RS232/422/488
	I2C, SPI, GPIO
I/O ports	USB 2.0 OTG
	USB 2.0 ports
Storage disk	256M NAND FLASH on board SD card X 1
Expansion Slot	SD card support
Audio	Microphone input, audio line output
	4, 5 and 8 wire resistive
Touchscreen	Projected capacitive, IR
	Surface capacitive
Operating System	Linux 2.6.32, Android (future)

ENVIRONMENTAL

Operating temperature	0°C to +70°C (extended temperature -40°C to +85°C)
Storage temperature	-40°C to +85°C
Humidity (max non-condensing)	5% to 90%
EMC	FCC Class A, when properly integrated

POWER SUPPLY

DC input	5, 12, 24 VDC input
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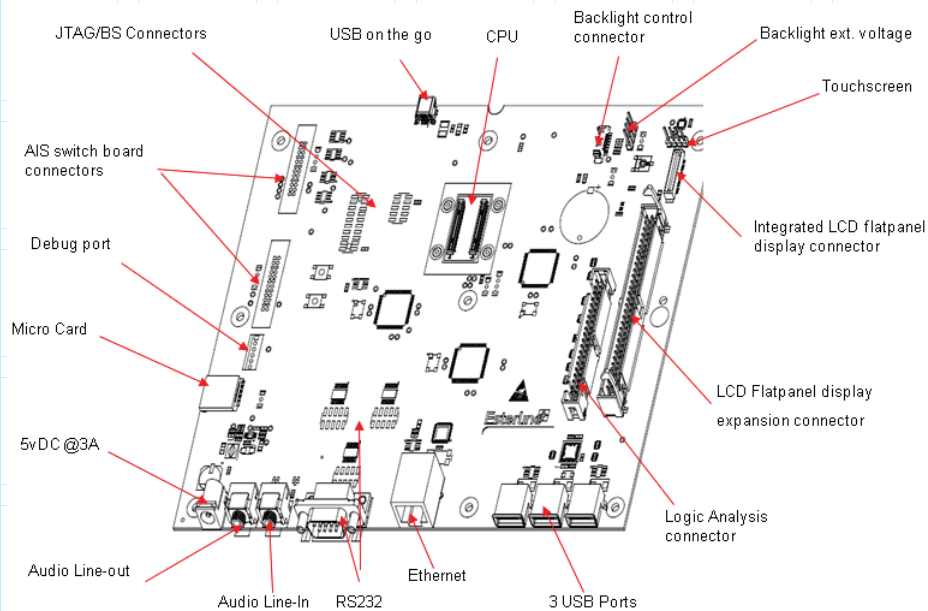


Illustration of Development Board, actual product designs will be custom sized and configured to fit each user's requirements.

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