

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 |
| I/O ports | RS232/422/488 I2C, SPI, GPIO 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 |
| Touchscreen | 4, 5 and 8 wire resistive 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 |

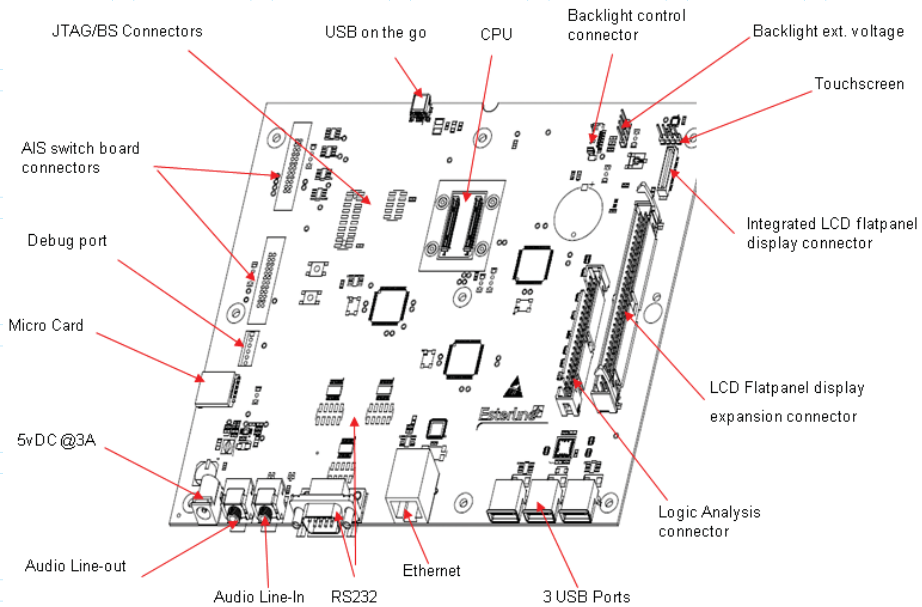


Illustration of Development Board, actual product designs will be custom sized and configured to fit each user's requirements.



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