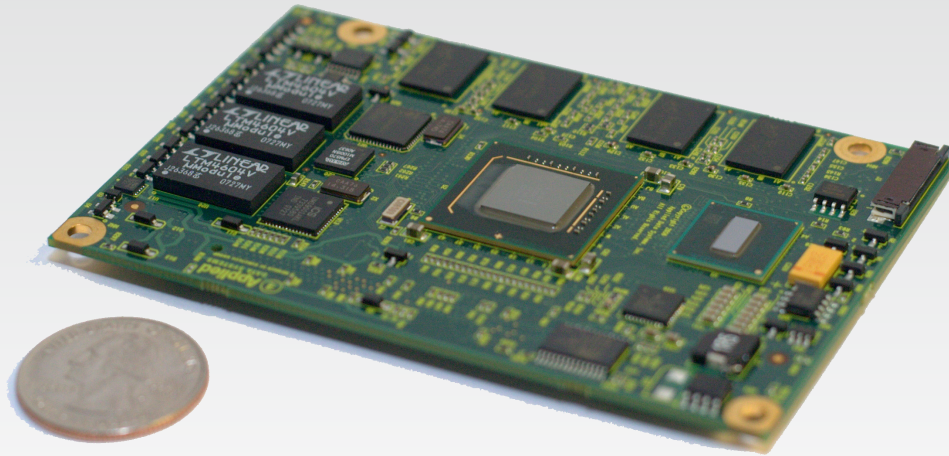


Catalyst Module

Based on the Intel® Atom™ Processor



FEATURES

- Intel® Architecture in small form factor
- Increased performance and efficiency
- Microsoft XP, XPe, CE, Vista and Linux support
- Low heat generation for fanless applications
- Flexible modular design for easy customization and quick time to market

Build low power, fanless embedded solutions based on the latest Intel technology using the Catalyst Module. Develop advanced embedded solutions without making trade-offs between performance and power consumption with the Catalyst Module from EuroTech Inc., based on the Intel® Atom™ Processor and the Intel® System Controller Hub (SCH) US15W. The Intel Atom processor is implemented using 45nm, High-K technology to offer high-end performance while reducing power consumption, and is validated with the SCH US15W chipset which integrates graphics, memory, and I/O into a small package.

The Catalyst Module leverages the advantages of this Intel technology to provide an ideal embedded solution for high performance, low power applications such as ruggedized handheld, multimedia, medical, point of service, and industrial designs. The Catalyst Module comes in a small form factor and offers comprehensive I/O and multimedia capabilities while consuming less than 5W of power per system. The two-card design gives customers flexibility with the adapter board, starting either with a standard version or custom design to meet unique application requirements while reducing time to market. Furthermore, the Catalyst Module offers further flexibility by supporting several operating system options including Windows CE, XP, XPe, Vista, Linux, and targeted real time operating systems (RTOS).

Catalyst Module

Specifications

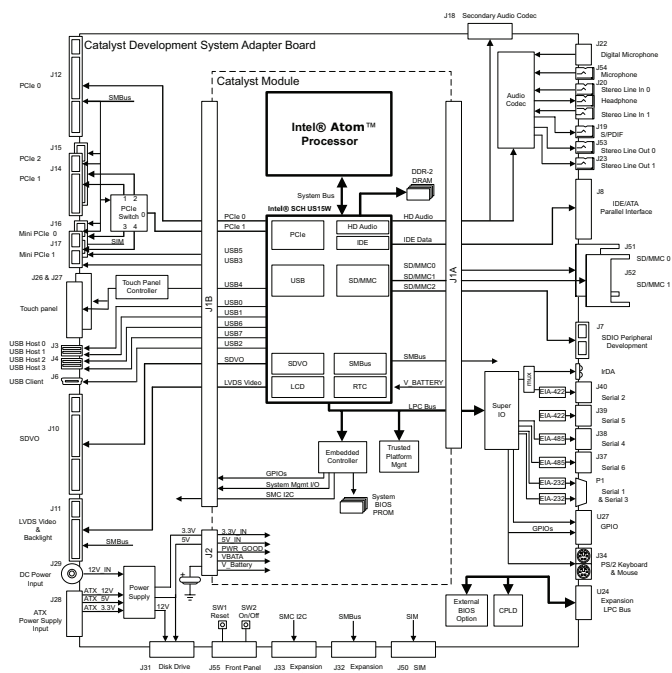
PROCESSOR	Intel Atom Processor up to 1.6 GHz 533 MHz front side bus Intel SCH US15W
GRAPHICS/VIDEO	Video Interfaces: UXGA, XGA, SXGA, HD Codecs: H.264, MPEG-4/2/1, Windows Media-9, DivX Dual independent display output capability
AUDIO	Intel HD Audio
MEMORY	533Mhz DDR-2 up to 1GB Up to Three SD/MMC Cards Up to Two PATA Disk Drives
OPERATING ENVIRONMENTS	Windows® XP, XPe, CE, Vista Linux Specific RTOS support (call for details)
PHYSICAL	Module dimensions 2.8 x 3.9 inches (67 x 100 mm) Temp. range -20°C to 70°C (contact factory for more temperature options) Power consumption 2W – 3W average per typical application Maximum sustained power consumption < 5W
PERIPHERALS	Onboard Real Time Clock Up to Eight Universal Serial Ports (USB 2.0)
ADAPTER BOARD EXPANDABILITY	Serial Ports (RS-232, RS-485, Optically Isolated) 4 or 5 wire Touch Screen Interface Parallel Port IrDA Interface Digital I/Os Analog I/Os CanBUS 10/100/1000 LAN PCI-Express for High Speed I/O Mini-PCIe for Wireless Applications Microphone and Speaker Audio

*Specifications and features subject to change without notice
See our website for latest updates and more information
www.eurotech.com

About Us

Eurotech delivers embedded computer systems for high capability and low power applications, networking and wearable computing solutions, and application framework middleware for multimedia, industrial, transportation, medical, and wireless applications. Eurotech platforms allow OEM and enterprise customers to focus on their core revenue-generating products and services and get to market quickly.

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