Catalyst EC

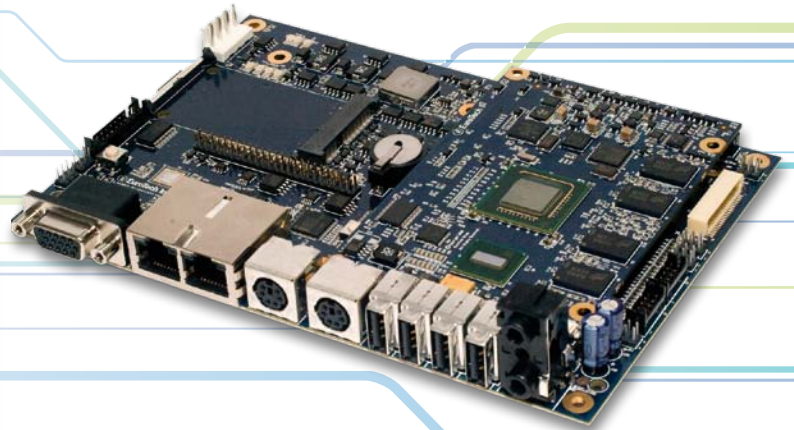**ESF** Everyware Software Framework

EDC Everyware Device Cloud

FEATURES

EPIC Form factor – Full-featured Eurotech Catalyst Module carrier board in EPIC form factor.

Atom based – Intel® Architecture with high-end processing, memory and graphics.

High efficiency – Ultra low power, fanless targeted for mobile and compact devices.

ESF and EDC support – protect your investments from obsolescence and easily send data from distributed devices to business applications.

Multiple OS options – Windows Embedded Standard, CE and Linux support.

- **Industrial**
- **Multimedia**
- **HMI**
- **Medical**

With the Catalyst EC, combine the processing power of the Catalyst Module from Eurotech and the flexibility of the EPIC form factor. Eurotech delivers our leading-edge Catalyst Module, based on the Intel® Atom™ Z5xx processor and Intel® System Controller Hub US15W in an EPIC form factor carrier board. With low power consumption and very low heat generation, the Catalyst EC is targeted for applications such as industrial, medical, and multimedia where low power and fanless operation are critical.

The Catalyst EC excels in performance, graphics, and communication while maintaining low cost. In addition, the EPIC carrier board supports connections for a range of wireless options such as Bluetooth, 802.11, and GPS.
Flexibility is also offered through a range of operating system choices including Windows Embedded Standard, CE, Linux and targeted real time operating systems (RTOS). The Catalyst EC is an ideal solution for embedded projects that couple the power of the Intel Atom with the proven benefits of the EPIC form factor.

EUROTECH
Imagine. Build. Succeed.

The Power of Intel® Atom™ in EPIC form factor
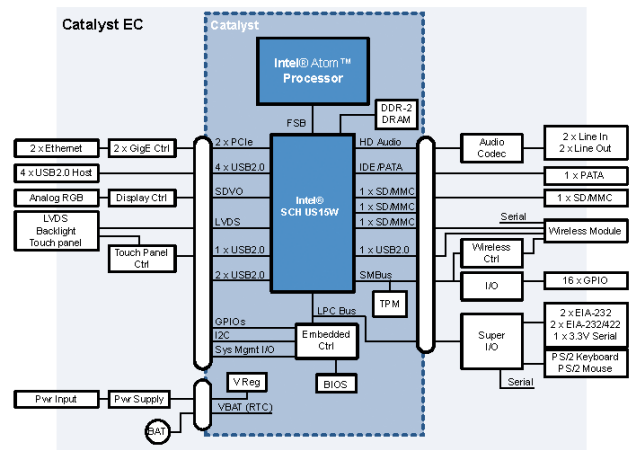
System Architecture

PROCESSOR	Intel® Atom™ Z5xx Processor up to 1.6 GHz
	533 MHz front side bus
	Intel® System Controller Hub US15W (Intel® SCH US15W)
GRAPHICS/vIdEO	24-bit color LvdS panel interface
	Analog RGB video interface
	4/5/8-wire touchscreen interface
	Dual Independant displays
AUDIO	Intel® High definition Audio
	Stereo audio line in and line out
MEMORY	533Mhz ddR-2 up to 1GB One IdE/PATA drive interface and mounting
	One Sd/MMC interface
OPERATING ENVIRONMENTS	Windows® Embedded Standard, CE
	Linux
	Specific RTOS support (call for details)
COMMUNICATIONS ANd I/O	One mini-PCIe wireless slot (for 802.11, Bluetooth, and GPS)
	Two 10/100/1000BASE-T Ethernet ports
	Four USB 2.0 host ports (LS/FL/HS)
	Two full RS-232 serial ports
	Two configurable RS-232/422 ports
	One LvTTL UART port
	16 GPIOs
	PS/2 mouse and keyboard
PHYSICAL	Module dimensions 2.8 x 3.9 inches (67 x 100 mm)
	Carrier board dimensions 4.5 x 6.5 inches (115 x 165 mm)
	Temp. range 0°C to 70°C (contact factory for extended temperature options)
PERIPHERALS	Onboard Real Time Clock
POWER	+12v dC @ .75A (typical)

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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