

# Catalyst FX

Flexible Solution Rich with Multimedia and I/O



## FEATURES

- Intel® Atom™ in a flexible, I/O-rich carrier board to deliver low-power, high-performance system
- Suited for multimedia applications with audio and video capability including HDMI/DVI, X VGA, and LVDS
- Optional on-board u-blox GPS receiver for applications requiring tracking such as fleet management
- Eurotech's Everyware™ Software Framework and Java support for easy application development
- Windows CE, Windows Embedded Standard, and Wind River Linux 3.0



WIND RIVER

**Leverage multimedia, I/O, and communications capabilities in a low-power, high-performance embedded solution.** Eurotech's Catalyst FX delivers the power of Eurotech's Catalyst Module XL, based on the Intel® Atom™ processor, on a flexible carrier board easily customized to meet application requirements.

The Catalyst FX offers high speed USB, serial ports, SATA drives, and much more. Expansion boards, supplied by Eurotech or third-party, offer multimedia capabilities such as audio, X VGA, LVDS, or HDMI/DVI video, and can be easily expanded for additional I/O ports. Optional on-board GPS receiver and vehicle power make this an effective solution for fleet management and tracking applications.

Catalyst FX has operating system support for Windows CE, Windows Embedded Standard, and Wind River Linux 3.0. Support is also available for the Java Virtual Machine and Eurotech's Everyware™ Software Framework which provides for an easy-to-use, Java-based development environment that minimizes time to market and allows for trouble-free portability for future expansion.

For OEMs looking to begin development quickly, Eurotech offers full-featured, application-ready Catalyst FX development kits.

# Catalyst FX

## Specifications\*

### PROCESSOR

Intel® Atom™ Processor from 1.1GHz up to 1.6 GHz  
Intel® System Controller Hub US15W (Intel® SCH US15W)

### GRAPHICS/AUDIO

Expansion boards with multimedia options for:  
VGA:  
- VGA display output with resolutions up to 1600 x 1200  
- Mono-microphone  
- Stereo line-in and stereo line-out  
HDMI/DVI:  
- HDMI/DVI display output  
- Stereo line-in / mono-microphone and stereo line-out  
LVDS:  
- LVDS display output with 24-bit color, 4/5/8-wire touchscreen, and backlight  
- Mono-microphone  
- Stereo line-in and stereo line-out

### MEMORY

DDR-2 memory up to 2GB  
CompactFlash® card slot (option to replace with SDIO card slot)  
1x 2.5" SATA slot  
On-board PATA Flash up to 8GB (option)

### OPERATING ENVIRONMENTS

Microsoft® Windows Embedded Standard, CE  
Wind River Linux 3.0

### COMMUNICATIONS AND I/O

10/100/1000 BASE-T Ethernet  
1x RS-232 or RS-485 serial port (software selectable)  
5x USB 2.0 host ports (H/F/L speeds)  
GPS receiver, u-blox LEA-5A-0-003 (option)  
Expansion board for additional I/O capabilities

### PHYSICAL/OTHER

7x software controllable LEDs  
12VDC, +/-10% power input  
9V-36V Vehicle input voltage, 100V transient protection (option)  
Trusted Platform Management (option)  
Extended temperature range available  
Dimensions: 5.0 x 5.3 inches (132 x 135 mm) including connectors

### MIDDLEWARE

Java Virtual Machine (option)  
Everyware™ Software Framework (option)

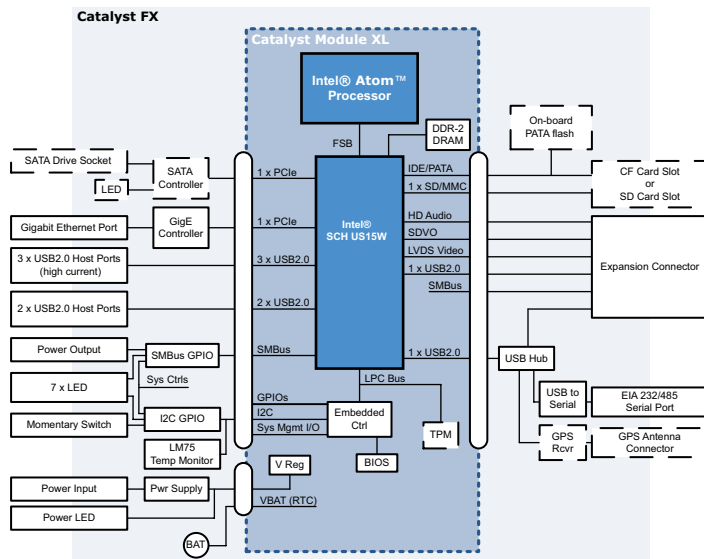
\* Specifications and features subject to change without notice.  
See our website for latest updates and more information  
[www.eurotech-inc.com](http://www.eurotech-inc.com)

### 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.

Everyware™ Software Framework is a trademark of Eurotech. Other trademarks are property of their respective holders.

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CMM4521B April2010