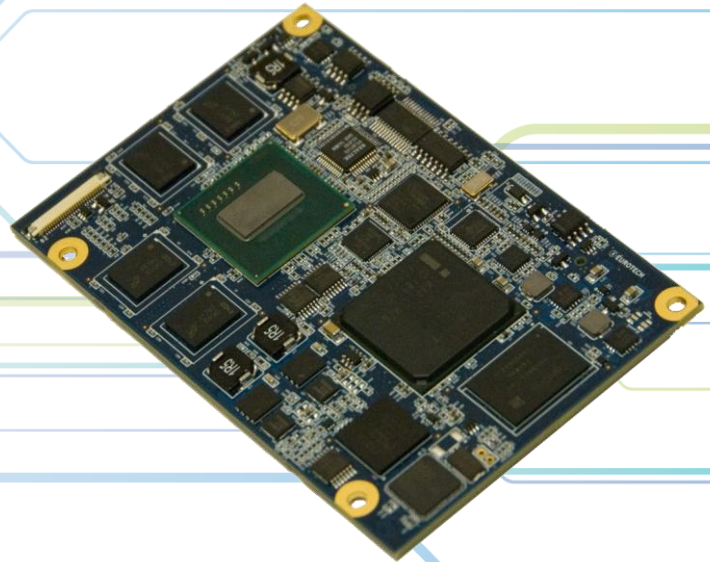


## Catalyst TC

- Intel Atom E6xx processor
- Small, fanless 67 x 100 mm form factor
- Extensive I/O support built into module
- Industrial and commercial temperature



## FEATURES

**Highly Integrated Intel Atom** – Based on the Intel Atom E6xx series, the Catalyst TC brings out a long list of I/O and multimedia capabilities directly onto the module for truly integrated embedded design capabilities.

**Ultra Low Power Design** – Eurotech's low power design expertise is brought forth with the Catalyst TC which consumes between 2W – 3W of power.

**Extensive I/O** – With the Catalyst TC, embedded designs have direct access to I/O capabilities on the module such as Gigabit Ethernet, CAN, USB 2.0, and serial ports.

**Operating System Support** – Several operating systems are supported including Windows 7, Windows Embedded Standard, Windows CE, and Wind River Linux.

**Target markets** – Catalyst TC is targeted for the following markets:

- Medical
- Gaming
- Industrial
- Transportation
- Defense and Aerospace

The Catalyst TC module from Eurotech is the latest in a line of low-power, high-performance embedded modules based on the Intel Atom processor family. Targeted for embedded devices which require extremely power-stingy and small designs, the Catalyst TC leverages the high level of integration offered by the Intel Atom E6xx processor series to deliver a robust solution in the same 67 x 100 mm form factor that's made Eurotech's Catalyst family so powerful in the industrial, gaming, transportation, defense, and medical markets.

The Catalyst TC fits into small embedded devices which need to be mindful of size and power consumption. With so many features coming out directly on the module, such as CAN, USB, serial ports, LVDS and VGA interfaces, HD audio, and PCIe buses, OEMs can focus on designing very small devices that can run on battery for longer than ever before. For storage, the Catalyst TC offers DRAM, SATA, SD, and on-board Flash to make a truly flexible solution. The Catalyst TC comes in both commercial and industrial temperature ranges.

For customers who need the power of Windows, Catalyst TC supports Windows 7 as well as WES and Windows CE. Wind River Linux is also supported, including dev kits which offer LiveUSB, a powerful program which allows developers to effortlessly create applications in the Linux environment much more quickly than traditional methods.



### Specifications

PROCESSOR	<ul style="list-style-type: none"> <li>• Intel® Atom™ E6xx</li> <li>• Processor speeds up to 1.6GHz CPU Speed</li> <li>• Intel® Platform Controller Hub (PCH) EG20T</li> </ul>
RAM MEMORY	512MB / 1GB / 2GB DDR2 SDRAM integrated “chip down”
SOLID STATE DISK	Optional on-board 4GB / 16GB support (contact factory for additional density support up to 64 GB)
SOFTWARE FRAMEWORK	Everyware™ Software Framework
NETWORK	1x 10/100/1000 BASE-T Ethernet with RGMII interface
SERIAL INTERFACES	<ul style="list-style-type: none"> <li>• Up to 4x RS-232/485 ports (1 full, 3 TX/RX ports)</li> <li>• 1x Debug UART</li> <li>• 2x I2C interfaces</li> <li>• 1x SPI interface</li> </ul>
USB	9x USB 2.0 ports including 1x configurable USB host/client port
CAN	1x CAN 2.0 interface
GPIO	5x GPIO interfaces
LPC	LPC Interface
SM BUS	SMBus interface
VIDEO	<ul style="list-style-type: none"> <li>• 1x LVDS interface with 24-bit color</li> <li>• 1x SDVO interface</li> </ul>
AUDIO	Intel® High Definition Audio
TPM	Optional Trusted Platform Module
JTAG	JTAG interface
EXPANSION INTERFACES	<ul style="list-style-type: none"> <li>• 3x PCIe interfaces (x 1)</li> <li>• 1x SATA interface</li> <li>• 2x Secure Digital / MMC interfaces</li> <li>• IDE interface (contact factory for details)</li> </ul>
POWER CONSUMPTION	2W-3W power consumption (typical)
TEMPERATURE	Operating: From -40°C to +85°C (-40°F to +185°F)
PHYSICAL	Dimensions: 67 x 100 mm
ORDER CODES	<ul style="list-style-type: none"> <li>• CTTC5400: Catalyst TC Development Kit, Intel Atom E660T, Industrial Temp, 1.3GHz, 1GB DRAM, LCD and Touchscreen, Wind River Linux</li> <li>• CTTC5401: Catalyst TC Development Kit, Intel Atom E660T, Commercial Temp, 1.3GHz, 1GB DRAM, LCD and Touchscreen, Wind River Linux</li> <li>• Additional order codes for production units coming soon</li> </ul>

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