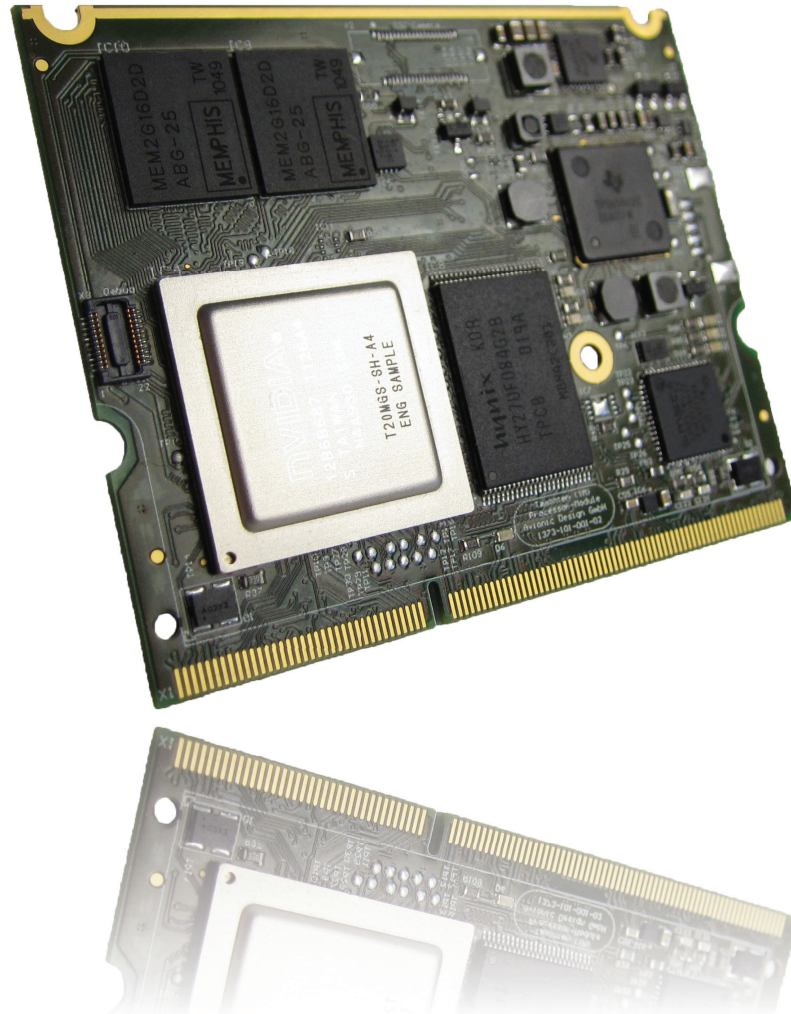


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POWERED BY
NVIDIA TEGRA™

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Tamonten processor module

so-dimm processor module with NVIDIA® Tegra™ 2 (290)
AD-1373-111

abstract

The Tamonten™ processor module is the only ultra low power and high performance multimedia platform on the market prepared for demanding embedded avionic and industrial operation.

Based on the NVIDIA® Tegra™ 2, it was designed with maximum reliability and flexibility in mind, yet it is very cost effective.

The processor-boards are manufactured in a tightly controlled process, complying with most rigorous quality assurance requirements from our avionic industry OEM partners.

features

-  POWERED BY
NVIDIA® TEGRA™
 - dual core ARM® Cortex™ A9 processor
 - on-die 3D GPU and video acceleration
- ultra compact double-height So-Dimm (67mmx55mm)
- 4 GBit on-board NAND (highly reliable SLC) - (16Gbit option available)
- 512 MB RAM (high-speed DDR2-800) - (1GB option available)
- Fast Ethernet on-board
- Full HDTV (h.264, WMV,...) 1080p decoding in hardware
- OpenGL ES 2.0 – 3D acceleration GPU
- Video Out: HDMI (incl. sound), LVDS, RGB, VGA
- Audio Out: AC97, I2S, S/PDIF
- Video In: BT656, MIPI-CSI (low-cost MPixel cameras)
- plenty of general purpose IO and interfaces:
 - PCIe, USB2, ULPI, SD/MMC, SPI, SDIO, I2C, RS232,...
- Advanced Power Saving: via DVFS
- **comprehensive GNU/Linux board support package**
- **guaranteed availability: 10+ years**
- **in mass production**

availability

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