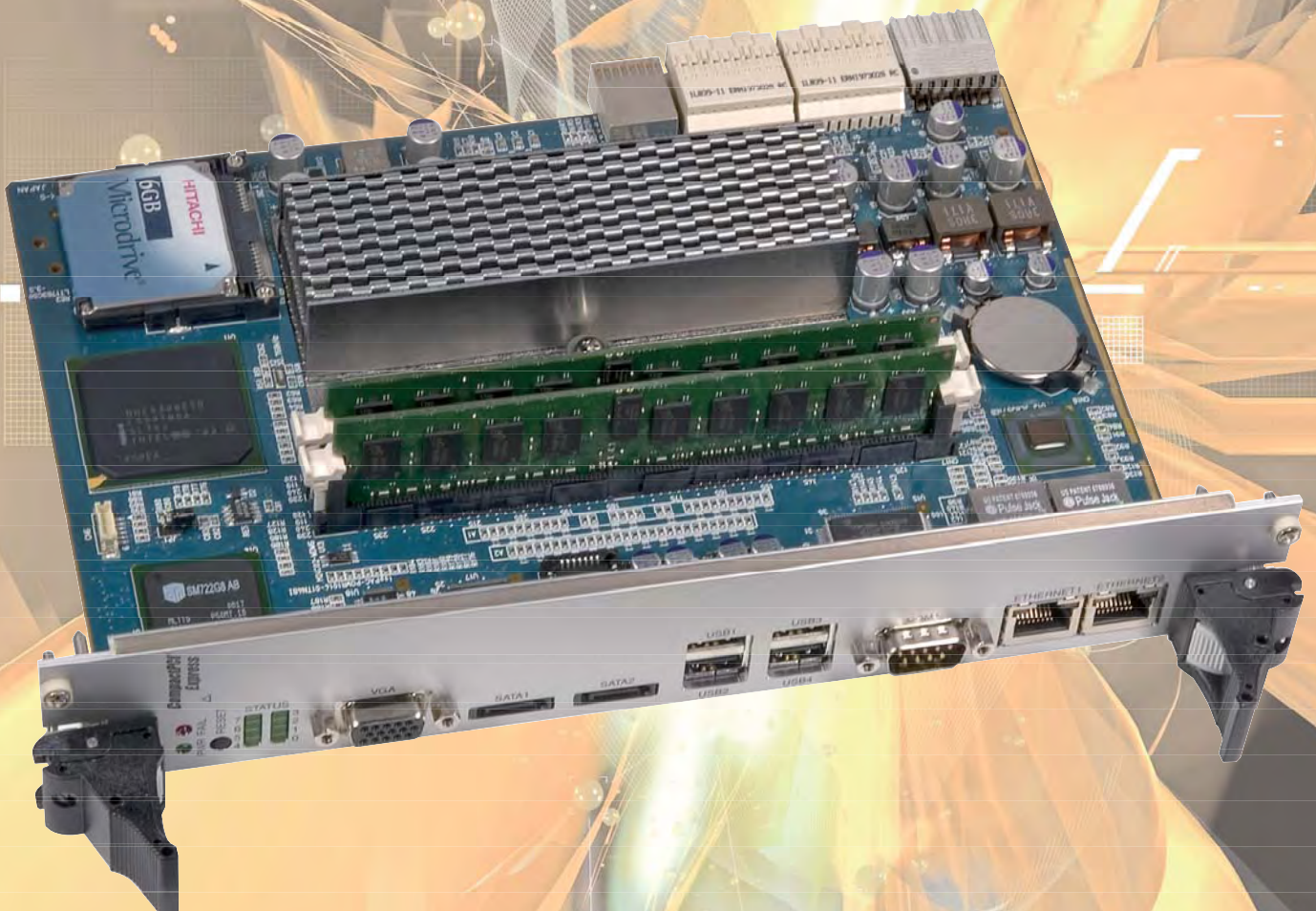


# A6EXP8021

## Intel Core Duo/Core2 Duo CPU Board

- CompactPCI Express-compatible advanced system board
- Equipped with Intel Core Duo/Core2 Duo processor and server chip set E7520
- Dual channel PC2-3200 Registered DIMM SEC, DED, or x4SDDC capable
- Equipped with Gigabit Ethernet (2 ports)
- Equipped with Serial ATA (2 ports)
- Equipped with USB2.0(4port)
- Equipped with SXGA-compatible display interface
- On-board Compact Flash available

**CompactPCI® Express**



# Intel Core Duo/Core2 Duo CPU Board

## Overview

A6EXP8021 is a high-performance CPU board which supported to CompactPCI Express standard promptly. It equipped with Intel Core Duo/Core2 Duo Processor. Memory boasts higher reliability due to the SEC/DED/x4 SDDC features of the E7520 server chipset, and PC2-3200 DIMM can be installed using dual channel architecture.

CompactPCI Express can be used for 4 x4 or 2 x8 lanes, and is compatible with various backplanes. In addition, standard interfaces, such as Gigabit Ethernet, Serial ATA and USB 2.0, are installed, making it very user friendly.

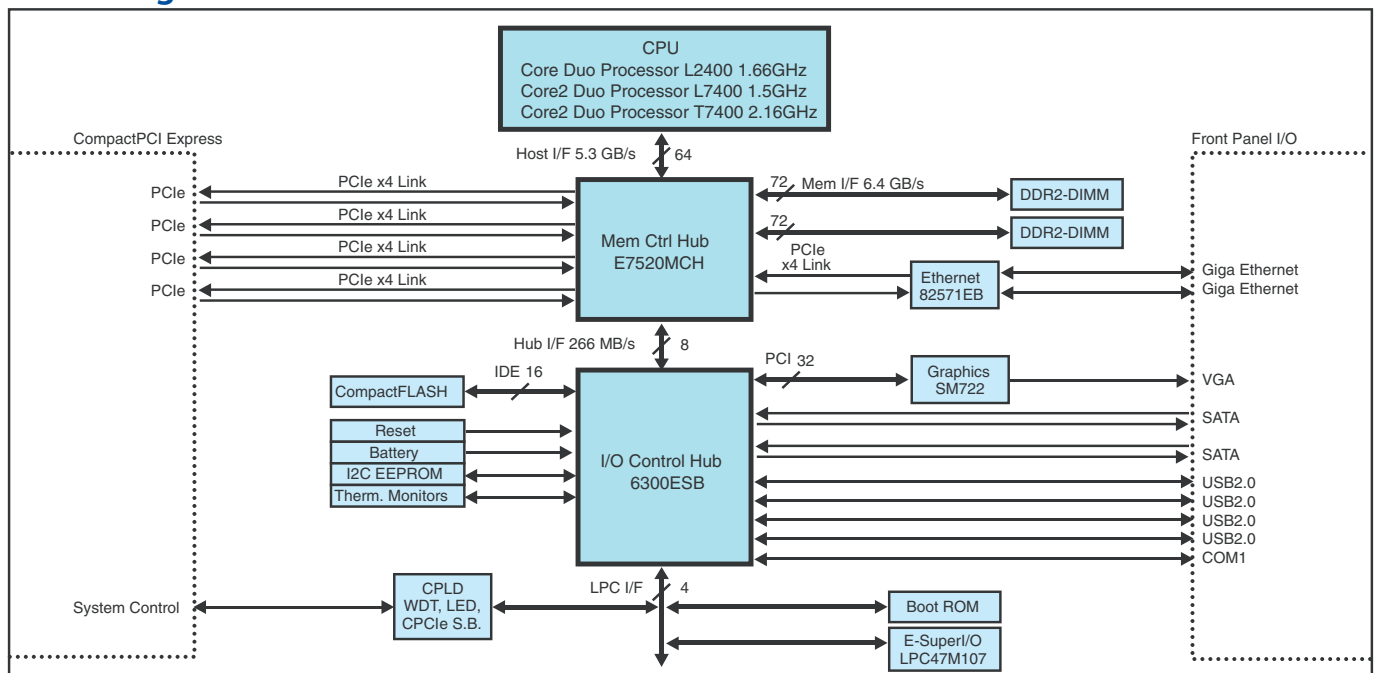
## Features

- CompactPCI Express-compatible advanced system board
- Intel Core Duo processor L2400 (1.66GHz), Core2 Duo processor L7400 (1.5GHz) and T7400 (2.61GHz) are supported and server chip set E7520
- Dual channel PC2-3200 Registered DIMM
- SEC, DED, or x4SDDC capable
- Equipped with Gigabit Ethernet (2 ports)
- Equipped with Serial ATA (2 ports)
- Equipped with USB2.0(4port)
- Equipped with SXGA-compatible display interface
- On-board Compact Flash available

## Specifications

<b>CPU</b>	Intel Core Duo processor L2400/ Core2 Duo processor L7400/T7400(optional at shipment) L1 cache: 32KB/32KB, L2 cache: 2MB/4MB Equipped with passive heatsink, fanless
<b>Memory</b>	Main memory: 2 DDR2 DIMM sockets(Dual channel) Supports PC2-3200 Registered DIMM, max 4GB (Memory module is not included with this product) Boot ROM: Firmware Hub flash memory, 1MB Serial EEPROM: I2C-EEPROM 2k bit
<b>Front panel I/O</b>	Graphics: 1280x1024 @24 bit, high density D-sub15pin female connector Serial ATA: 1.0a standard, 150 MB/s, 2 ports USB: USB 2.0 standard, USB type-A connector, 4 ports Serial port:D-sub 9-pin male connector, 1 port Ethernet: 10/100/1000Base-T, RJ-45 connector, 2 ports
<b>Onboard I/O</b>	CompactFlash: CF+ and CompactFlash Specification Revision 2.1(CompactFlash is not included with this product)
<b>CompactPCI Express</b>	Bus standard: PICMG EXP.0 R1.0 Specification Board type: System board(Dedicated system slot)
<b>Power supply</b>	12V±5%(supplied by rack) / 5Vaux(supplied by rack)
<b>Board size</b>	6U, 2-slot width

## Block diagram



Please consult us regarding your specific custom requirements



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Note: The following specifications and product appearance are subject to change for enhancement without notice.



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