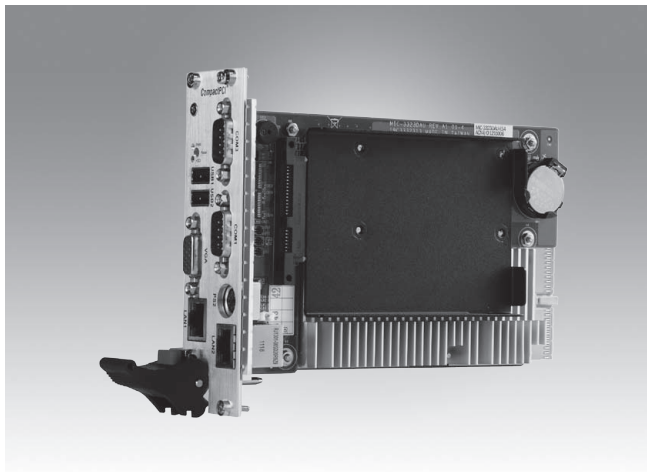


# MIC-3323

## 3U CompactPCI® Intel® Core™2 Duo/ Atom™ Processor D510 Controller



### Features

- Supports two different CPU grade
- Intel® Core™ 2 Duo or Atom™ D510 Processors
- Intel® GME965 GMCH /ICH8M
- Supports up to 4GB DDR2 533/667 MHz SDRAM
- Dual Giga LAN ports
- High-performance Intel® 965GME Graphics Media Accelerator
- Supports SATA 2.5" HDD

### Introduction

The MIC-3323 is a 3U CompactPCI system control board, which supports two different CPU grades, one adopts the high performance Intel Core 2 Duo 1.6 GHz processor and highly integrated Intel 965GM Express chipset, and the other one adopts the Intel Atom Processor D510 1.66GHz and ICH8M chipset. In addition to 4MB L2 Cache, it supports 2GMB DDR2 SDRAM up to 4GMB and dual Gigabit Ethernet. MIC-3323 is a powerful 3U CompactPCI controller that fulfills requirements for mission critical applications, such as military defense, transportation, traffic control, test and measurement (T&M) as well as critical data acquisition & control applications.

### Specifications

- **CPU** Intel Core 2 Duo 1.6GHz/Atom D510 1.66 GHz (Note 1)
- **L2 Cache** 4 MB L2 Cache/1MB L2Cache
- **Chipset** Intel 965GM GMCH/ICH8
- **BIOS** AWARD 4 M-bit /AMI 16Mbit Flash BIOS

#### BUS

- **Front Side Bus** 533MHZ (Intel Core 2 Duo 1.6 GHz CPU)  
667MHZ (Intel Atom D510 1.66 GHz CPU)
- **PCI Bus** PCI-PCI bridge PERICOM PI7C8150  
7 x 32 bit/33 MHz Compact PCI bus master interface  
3.3V VIO

#### Memory

- **SDRAM** DDR2 533/667 MHz Support 2G (Note 2)
- **Socket** 2 x 200-pin SODIMM sockets

#### Graphic

- **Chipset** Integated Intel 965GME Chipset/Intel Atom D510
- **Resolution** Up to 1920 x 1024

#### Ethernet

- **Interface** 1000/100/10M Base-TX Gigabit Ethernet
- **Controller** PCI-Expressx1 Intel@82574E Ethernet Controller
- **Connector** RJ-45\*2

#### Serial

- **Interface** RS-232
- **UART** 3 x 16C550 compatible
- **Data bits** 5,6,7,8
- **Stop Bits** 1,1.5,2
- **Parity** None, Even, Odd
- **Speed** 50~115.2Kbps
- **Data Signal** TXD,RXD,RTS,CTS,DTR,DSR,DCD,RI GND
- **Connector** 2 X DB-9
- **SATA** 1 X SATA interface, data transfer rate up to 300MB/S
- **USB** 2 x USB 2.0 channels up to 480Mbps
- **PS/2** Used for Keyboard and mouse
- **Watchdog Timer** 256 levels timer interval, from 0 to 255 sec or min setup by software, jumper less selection, generates system reset (for MIC-3323D01-D23E)
- **Hot-swap** Supports for all signal to allow peripheral boards to be Hot swapped
- **Compliance** PICMG®2.0 Rev.3.0 Compatible
- Compact PCI Hot-swap PICMG®2.1 Rev.2.0

#### Environment

- **Humidity** 5~95%(non-condensing)
- **Operating Temp** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temp** -40~80°C (-40~176°F)

#### Physical

- **Dimensions (L x H)** 160 X 100mm (6.30" x 3.94") (3U)
- **Weight** 0.8Kg

**Frontpanel Function (8HP)**

- **COM1/3** 2X DB9,RS-232
- **PS/2** 1 for Keyboard and Mouse
- **Ethernet** 2 x RJ-45 connector with LED
- **VGA** 1 x15 pin D-SUB connector
- **USB** 2 x USB2.0,4 pin Connector
- **Button** Reset Button
- **LED** Power, HDD

Note 1: Select different CPU grade by order number

Note 2: Supports 2GB to 4GB

**Ordering Information**

- **MIC-3323D01-D23E** 3U CompactPCI Intel Core 2 Duo 1.6 GHz Controller with SATA HDD/8HP
- **MIC-3323D01-A33E** 3U CompactPCI Intel Atom D510 1.66 G Controller with SATA HDD/8HP

**Front View of MIC-3323**