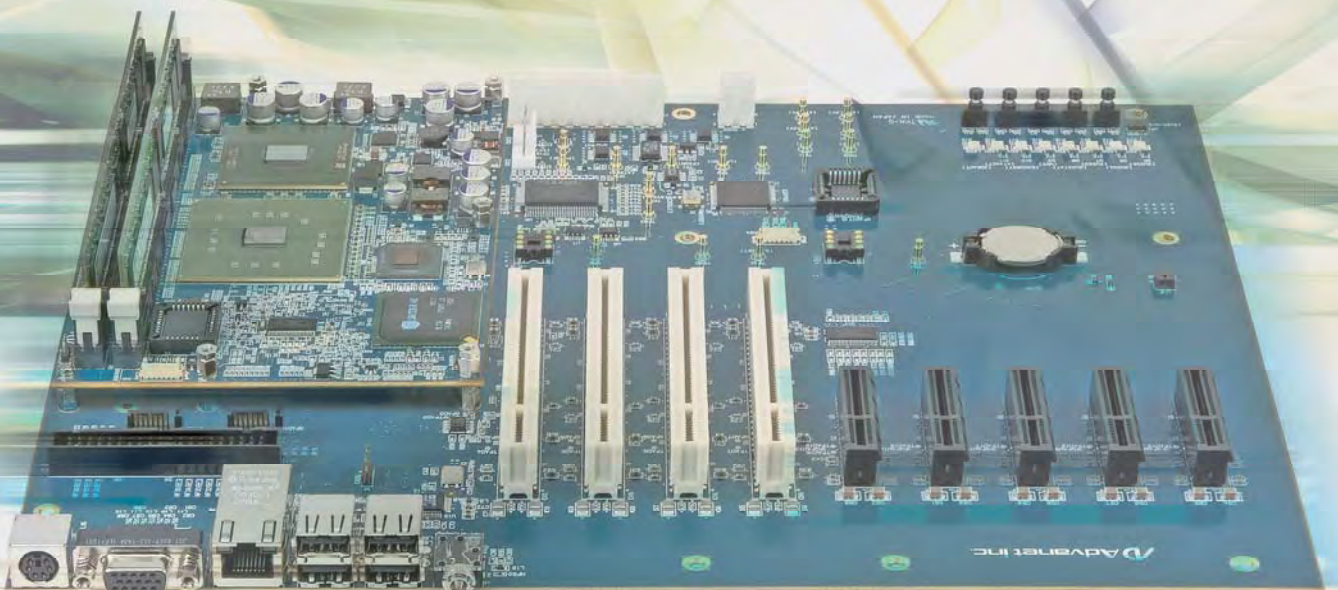
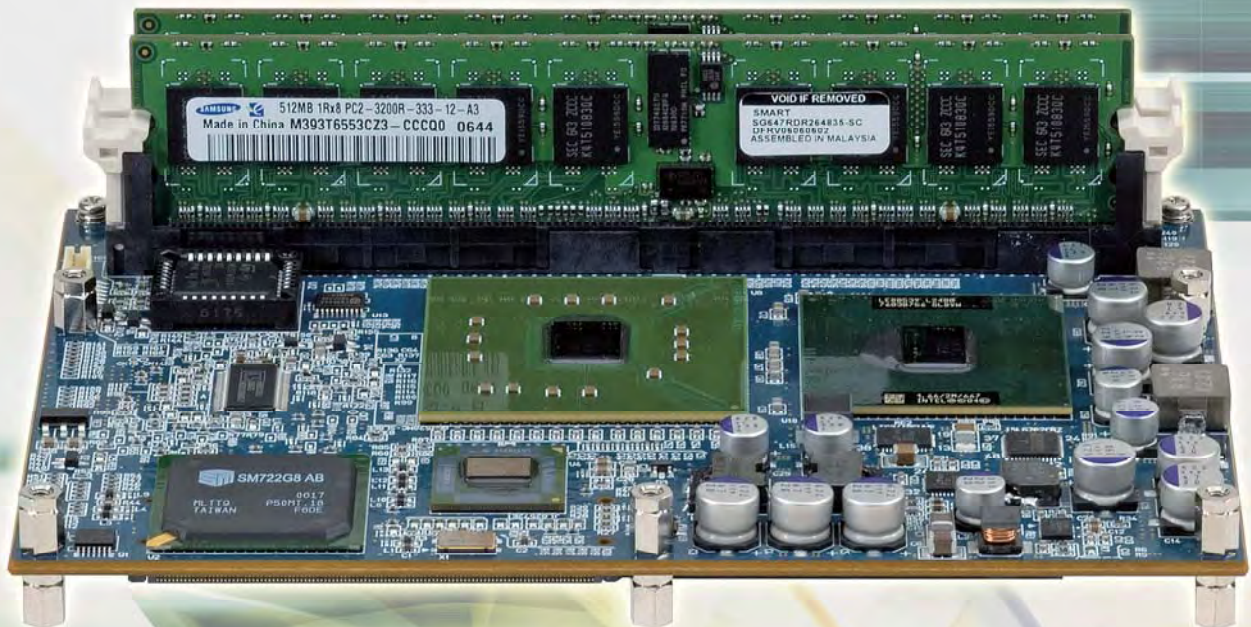


Adbc8022

Intel Core Duo/Core2 Duo CPU Board

COM module complying with COM Express Standard
Equipped with Intel® Core™ Duo/Core2™ Duo processor
and Intel®E7520 + 6300ESB chip set
2x DDR2-DIMM sockets
PC2-3200-capable Registered DIMM (ready for ECC)



Career board for evaluation

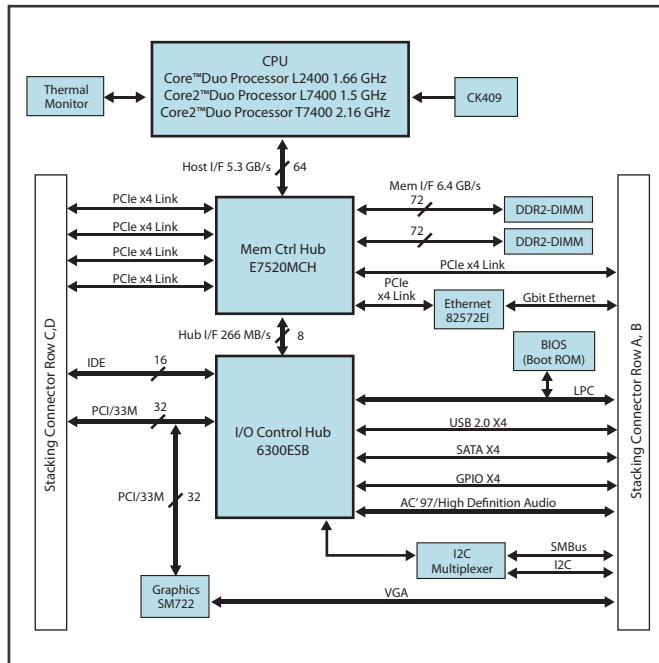
Core™ Duo/Core2™ Duo CPU Board

Features

Adbc8022 is a COM module complying with COM Express Standard. COM module is a packaged module equipped with all the components required to construct a CPU board. Creating a carrier board satisfying customers' needs will enable flexible construction of various embedded system.



Block diagram



Specifications

CPU	Intel® Core™ Duo processor L2400/ Core2™ Duo processor L7400/T7400(optional at shipment) L1 cache: 32KB/32KB, L2 cache 2MB /4MB
Memory	Main memory: DDR2 DIMM socket × 2 (dual channel) 4 GB max. , compatible with PC2-3200 Registered DIMM (Memory module is not included in this product.) Boot ROM: 1MB capacity of Firmware Hub FLASH memory
System I/O	VGA: 1 port: 1280x1024@24bit SATA: 2 port: Serial ATA 1.0a,150 MB/s USB: 4 port USB2.0 Ethernet: 1 port 10/100/1000Base-T IDE: 1 channel complying with Ultra ATA/100, 100 MB/s PCI: 32 bits/33MHz 5V/3.3V: PCI Local Bus 2.2 PCI Express: x4 link 5 port for PCI Express Interface 1.0a LPC: 1 port Low Pin Count Interface 1.0 SMBus: 1 port System Management Bus 2.0 I2C: 1 port The I2C Bus 2.1
COM Express	PICMG COM.0R1.0Specification Module size: Extended module form factor Pin-out type: Type2 (440pin)
Power supply voltage	12V±5% (supplied from COM Express connector) 5V_SBY±5% (supplied from COM Express connector) 3V_RTC-33/+10% (supplied from COM Express connector)
Board size	155 × 110 × 18mm (except DIMM socket)

Please consult us regarding your specific custom requirements

