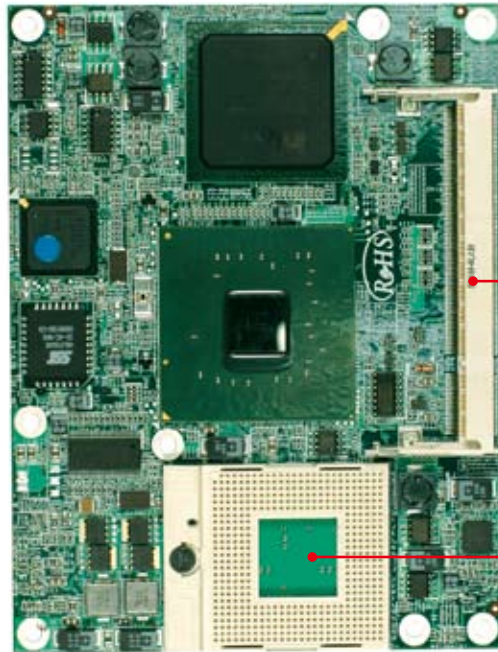


CM-7301

Intel® Core™ 2 Duo COM Express Module with CRT/LVDS, LAN & Audio

COM Express Module
ETX CPU Module
3.5 inch Embedded Board
5.25 inch Embedded Board
Industrial Motherboard
PC/104 CPU Module
Fanless Embedded Box Computer
Accessories



DDRII SO-DIMM

Socket 479

Features:

- Intel® Core™ 2 Duo Pentium® M / Single Core™ Celeron® M processors
- Intel® 945GME with ICH7M chipset
- PICMG COM Express R1.0 Compliant
- One DDRII SO-DIMM socket
- Intel® 82573L GbE Ethernet interface
- Flexible PCI-Express and PCI expansion
- Integrated Graphic supports dual SDVO, Analog VGA, LVDS, TV-Out interface
- Supports COM Express standard features (USB, SATA, ATA, GPIO, AC97)
- RoHS compliant
- Basic form factor (95mm x 125mm), pin-out type II



COM Express connectors

System

CPU	Socket 479 to support Intel® Core™ 2 Duo Pentium® M, Intel® Single Core™ Celeron® M FSB:533/667MHz
BIOS	Award® 512KB Flash BIOS
System Chipset	Intel® 945GME, ICH7M-DH
System Memory	1 x 200-pin DDRII SO-DIMM socket supports 400/533/667MHz memory max. up to 2GB w/o ECC registered
Watchdog Timer	255 levels timer interval, (1 ~ 255 seconds), setup by software. Jumper set up for system reset or IRQ
System Monitoring	Built-in 945GME chipset, supports dual independent displays
Expansion Interface	5 x PCI-Express x 1 and 1 x PCI-Express x 16 PCI 2.3 32-bit 33MHz supports up to four 2 Req/Gnt pairs

I/O

I/O Chipset	Winbond® 83627HG
I/O Interface	2 x SATA, 1 x LPC & I2C bus, 8 x GPIO
USB	8 x USB ports, USB 2.0/1.1 compliant
Audio	AC 97 high definition Audio via ICH7M-DH I/O Hub

Ethernet

Chipset	Intel® 82573L
Ethernet Interface	IEEE 802.3 10/100/1000Mbps Compliant physical layer

Display

Chipset	Built-in 945GME chipset supports dual independent displays
Features	Dual SDVO, dual 18-bit LVDS channels, Analog VGA and TV-out
External expansion	Supports PCI-Express x 16 graphic port
Memory Size	1/4/8/16/32/64MB
Resolution	CRT display mode: up to 2048 x 1536 LCD display mode: up to 1600 x 1200
LCD Interface	LVDS
LVDS Interface	Dual 18-bit LVDS

Mechanical and Environment

Form Factor	PICMG COM Express basic form factor, pin-out type II
Dimension (L x W)	95mm (L) x 125mm (W) (3.8" L x 5" W)
Power Supply Voltage	+12V
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity	10% ~ 90% relative humidity, non-condensing
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Storage Humidity	5% ~ 95% relative humidity, non-condensing

Packing List

- 1 x CM-7301 SBC
- 1 x CD (Manual, Quick installation guide, Utility driver)

Ordering Information

Standard	
CM-7301A	Intel® 945GME COM Express module with socket 479, CRT/LVDS, LAN, Audio

Optional

BB-103C	COM Express evaluation board for GbE LAN w/o express card slot
HS1 for onboard CPU	
39L-C36TRS-00	Screw + type M3*0.5*L5(Ni)/ RoHS
39L-C47TRS-00	3*10 screw type (Ni)/ RoHS
39L-PAD005-00	PAD K2.2 H48-2 T1.0 (18*18mm)/RoHS
42L-HS0109-00	Heatsink (35 x 35 x 2.5mm)/ RoHS
42L-HS0104-02	Heatsink (125 x 72.1 x 28.5mm) RoHS for w/socket
HS2 for socket type CPU	
39L-C47TRS-00	3*10 screw I type (Ni)/RoHS
39L-PAD005-00	PAD K2.2 H48-2 T1.0 (18*18mm)/ RoHS
42L-HS0104-02	Heatsink (125 x 72.1 x 28.5mm) / RoHS for w/socket

* Note : All specifications are subject to change without prior notice