

AMB-HM76B1

COM Express Intel HM76 Basic Type 6 Module



Features

- COM Express Basic Type 6 Module
- The 3rd generation Intel Core platform + Intel HM76 Chipset
- Intel Core i7/i3/Celeron CPU
- Two 204-pin SO-DIMM sockets support DDR3 SDRAM, up to 16GB



Specification

System

CPU	<ul style="list-style-type: none"> • Intel Core i7 3517UE (Dual Core, 1.7GHz, 4MB cache, TDP 17W) • Intel Core i3 3217UE (Dual Core, 1.6GHz, 3MB cache, TDP 17W) • Intel Core Celeron 1047UE (Dual Core, 1.4GHz, 2MB cache, TDP 17W)
Chipset	Intel HM76
Memory	2 x 204pin SO-DIMM DDR3, Max: 16GB
BIOS	AMI 32Mbit SPI BIOS
WatchDog Timer	Software programmable 0~255 seconds

Video (Support by Carrier Board)

Graphic Controller	Intel HD / HD 4000
Video Interface	<ul style="list-style-type: none"> • 1 x Analog RGB Display Output Resolution up to 2048x1536 pixels with 32-bit@75Hz • 1 x HDMI Port Output Resolution up to 1920x1200@60Hz • 1 x Dual Channel LVDS Output • 3 x DisplayPort Output • 1 x SDVO/DisplayPort Output

Storage (Support by Carrier Board)

SATA	<ul style="list-style-type: none"> • 2 x SATA III with 6Gb/s • 2 x SATA II with 3Gb/s
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I/O (Support by Carrier Board)

Ethernet Chip	Intel 82574L GbE LAN supports iAMT 8.0 and PXE Boot
Expansion Interface	<ul style="list-style-type: none"> • 1 x PCI-E x16 Gen.3 • 6 x PCI-E x1
Serial Interface	2 x COM port Interface (TX/RX only)
USB	4 x USB 3.0, 8 x USB 2.0
GPIO	8-bit Digital I/O, 4-bit DI and 4-bit DO
Audio Codec	Intel HD Audio Channel

Power Requirement

Power Input	<ul style="list-style-type: none"> • 1 x 24-pin ATX Power Connector • 1 x 4-pin ATX 12V Power Connector
Power Consumption	TBD

Software

OS Support	<ul style="list-style-type: none"> • Windows 7 32 / 64-bit • Linux 3.3 (Fedora 17) 32 / 64-bit • Linux 3.5 (Ubuntu 12.10) 32 / 64-bit
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Mechanical & Environment

Dimension	125 mm x 95 mm (4.92" x 3.74"), COM Express Type 6 Module Board
Operating Temp.	0~60°C (32~140°F)
Storage Temp.	-20~80°C (-4~176°F)
Relative Humidity	0 to 90%, non-condensing
Safety	CE, FCC class A

Packing List

- 1 x Quick Guide
- 1 x AMB-HM76B1 Module Board Set
- 1 x CD Title
- 5 x Screws For Carrier Board (only for system package)

Ordering Information

AMB-HM76B1i71	Intel HM76 with Core i7-3517UE COM Express Basic Type 6 Module
AMB-HM76B1i31	Intel HM76 with Core i3-3217UE COM Express Basic Type 6 Module
AMB-HM76B1CE1	Intel HM76 with Core Celeron 1047UE COM Express Basic Type 6 Module

Dimension

