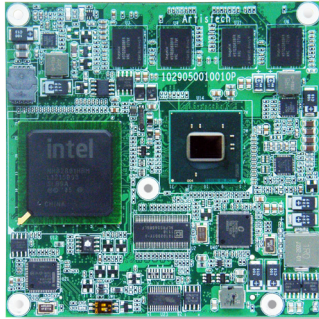


EmETXe-i2905

Intel® Atom™ Processor N455/ D525
COM Express® Compact Type 2 CPU Module



Features

- **Fanless Design**
- Soldered onboard Intel® Atom™ Processor N455/D525
- Integrated Gigabit Ethernet
- Single Channel 18/24-bit LVDS and Analog RGB
- Dual Independent Displays
- **Extended Operating Temp.: -20 ~ 70°C**

System

Processor	Soldered onboard Intel® Atom™ Processor N455 1.66GHz D525 1.8GHz
Chipset	Intel® ICH8M
Memory	Soldered onboard 2GB DDR3 SDRAM
BIOS	AMI BIOS

I/O

USB 2.0	8 x USB 2.0 ports
Expansion	5 x PCIe1, 1 x PCIe16, LPC, 4 x PCI
Storage	1 x Ultra ATA, supporting 2 IDE devices 3 x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82574L PCIe GbE controller
Digital I/O	8-bit Programmable
Audio	HD link

Display

Graphic Chipset	Integrated Intel® GMA 3150
Graphic Interface	Analog RGB/DVI: Analog RGB, with resolution up to 1400x1050 (N455), 2048x1536 (D525) LCD: Single Channel 18/24-bit LVDS, with resolution up to 1366 x 768 Dual independent displays supported

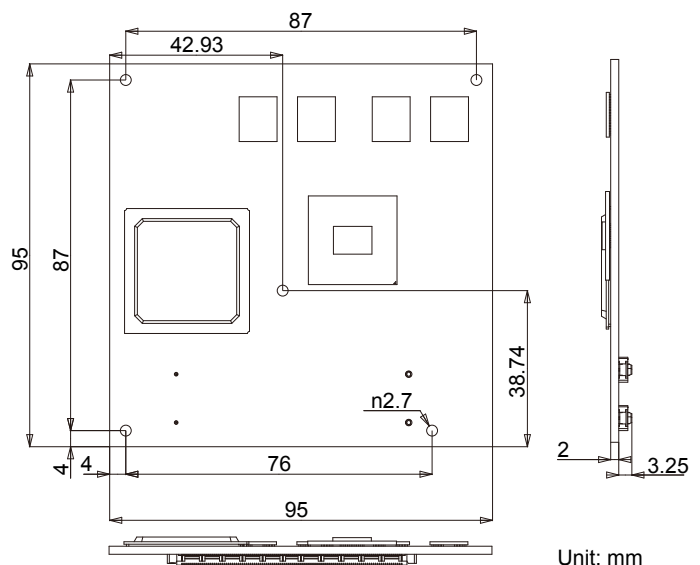
OS Support

Windows XP
Windows 7 32-bit/64-bit
Linux: Ubuntu

Mechanical & Environmental

Power Requirement	DC 12V, 5VSB
Power Consumption	1.25A@12V with D525 (Typical, with PBE-1700)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions (L x W)	95 x 95 mm (3.7" x 3.7")

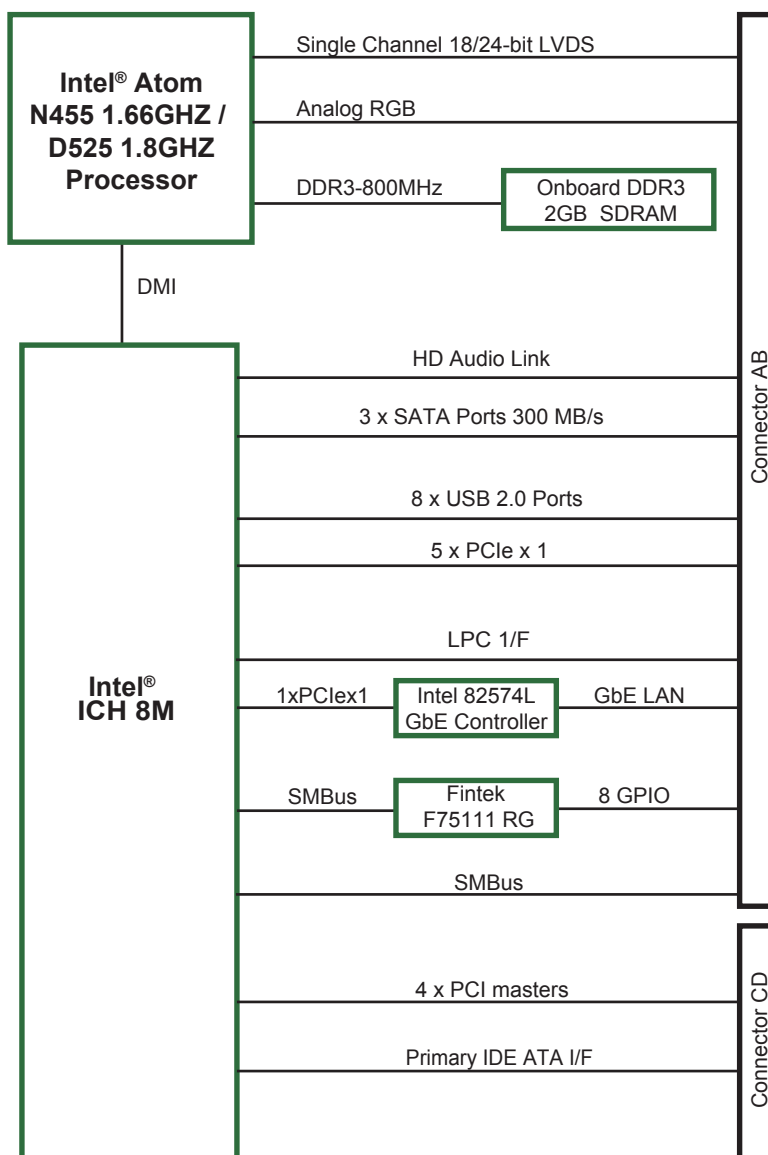
Dimensions



Unit: mm



Block Diagram



Ordering Information

EmETXe-i2905-N4 Intel® Atom™ Processor N455/ ICH8M COM Express® Compact Type 2 CPU module

EmETXe-i2905-D5 (OEM request) Intel® Atom™ Processor D525/ ICH8M COM Express® Compact Type 2 CPU module

Optional Accessories

HS-2905-F1-KIT Heat spreader kit 95x95x11mm

HS-0000-W4 Universal evaluation heat sink kit with thermal pad 125x95x22mm, only used on a flat-type heat spreader

CPF-0000-C1 FAN, 4500RPM, 60x60x20mm

PBE-1700-W R1.3 COM Express® Type 2 evaluation carrier board with Super IO W83627 in ATX form factor

CBK-04-1700-00
Cable kit
1 x SATA cable
1 x Serial port cable
1 x FDD cable
1 x IDE cable