

ETX IEM Series

ETX, Embedded Technology Extended, is a new architecture for industrial applications. It fulfills the requirements for embedded technology by a compact module of most PC functions:

ETX divides a complete motherboard system into two parts physically:

- ETX MODULE - as small as 4.5 x 4 size, carries CPU system and core ASICs
- BASEBOARD including all I/O connectors, plus some supplementary functions.

1
Single Board Computer

IEM Advantages

ETX is an industry standard System-On-Module (SOM) technology. By choosing integrated CPU and memory module and customized baseboard with I/O functionality, embedded product solutions could be incredibly efficiently and economically.

Benefits

- Time Advantage !
- Complete PC functionality with x86 architecture
- Cost saving in engineering and developing
- Time to market in software designing and scheduling
- Design Advantage !
- Customize designing in reliable connectors
- Easy upgrading with no redesign needed in the event of component end of life
- Extremely slim low power fanless design
- Installation/Size Advantage !
- Gas-proof connectors and mounting holes enable rugged applications.

2
VIDEO CARD

3
Xscale Solutions

4
Open HMI

Basic Concept of IEI FSEA

ETX modules are scaleable and interchangeable. Thus with a single baseboard, several products can be launched in the same time by the aid of a wide choice of CPU modules.

M (ETX CPU Module) + N (ETX Baseboard) → M x N Products

In order to enhance the reliability and flexibility of ETX solutions, IEI moves the Ethernet interface from the CPU module to the baseboard. Testing performance reveals that IEI's innovative design produces outstanding results.

Fitting Solution for Embedded Application

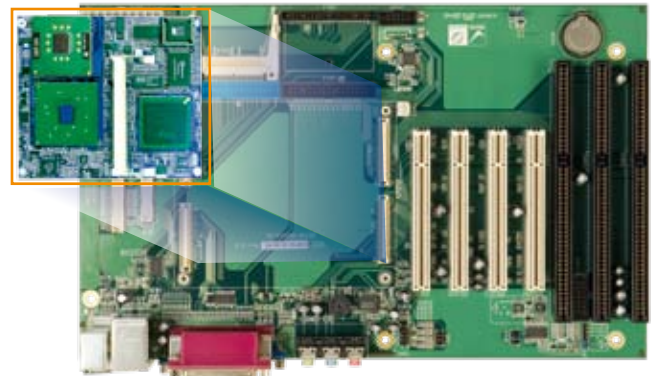
It occurs a lot that a CPU board doesn't meet industrial PC- based applications, due to unsuitable board size, improper connectors location or missing functions. The only alternative solution was to develop a completely new design, which is expensive and very time-consuming. Now, IEI presents to you FSEA (Fitting Solution for Embedded Application) which is based on the open standard of ETX technology and designed by JUMPtec. It occurs a lot that a CPU board doesn't meet industrial PC- based applications, due to unsuitable board size, improper connectors location or missing functions. The only alternative solution was to develop a completely new design, which is expensive and very time-consuming. Now, IEI presents to you FSEA (Fitting Solution for Embedded Application) which is based on the open standard of ETX technology and designed by JUMPtec.

5
VITO Universal Controller

6
DINO BLADE

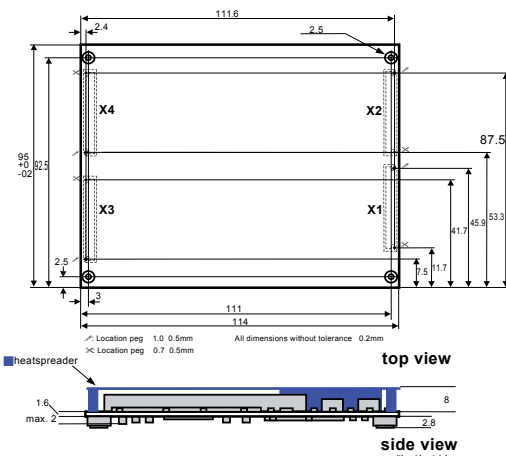
7
LCD Product Series

ETX CPU MODULE

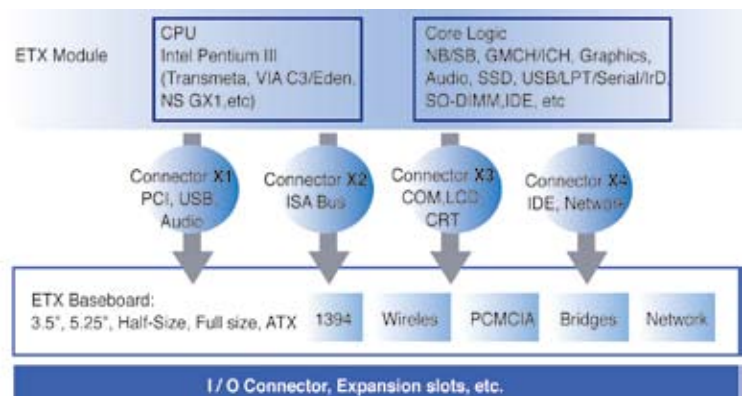


ETX Baseboard

Dimensions



ETX Module Architecture



8
Embedded System

9
Industrial Computer Chassis

10
Power Supply

11
Peripherals