

IEI Embedded Boards

IEI provides various sizes of embedded boards from Pico-ITX (100mm x 72mm) to 5.25" SBC and can meet different applications involving data acquisition, video processing, telecommunications, networking, motion control plus the associated field wiring termination, I/O circuit protection, etc. IEI embedded boards are all with rich rear I/O and multiple I/O expansion options. IEI also provides suitable chassis for our embedded boards, you can easily build feature-rich embedded systems for industrial, medical, military, transportation, and commercial applications.

IEI Embedded Single Board Computer Form Factors

Ultra compact mainboard form factor for a small footprint
Embedded PCs, Systems and Appliances



Pico-ITX
100 x 72mm
HYPER series



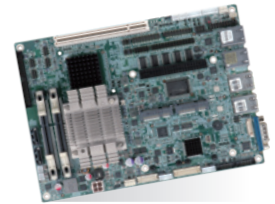
PC/104
96 x 90mm
PM series



3.5"
146 x 102mm
WAFER series



EPIC
165 x 115mm
NANO series



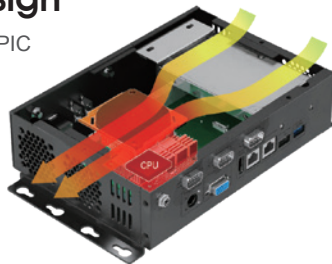
5.25" / EBX
203 x 146mm
NOVA series

Two Types of Thermal Solution

IEI provides types of thermal solution for embedded boards with high flexibility. Heatsink and heat spreader design are both with various advantages and meet the needs of different applications.

■ With heatsink design

- Easy upgrading from same EPIC form factor CPU boards
- Complex I/O functions based on customers' requirements
- Small form factor
- Saves money and space with cables and shared chassis



■ With heat spreader

- Heat is spreading out from system surface
- Multiple screw mounting holes for easy chassis design
- Possibility of totally enclosed design



Embedded System Mapping

	ECN		ECW	uIBX
Embedded System	ECN-380	ECN-360A	ECW-281B	uIBX-230
Model	NANO-QM871 NANO-QM770	NANO-ULT3	WAFER-BT-1	HYPER-BT

	EBC		
Embedded System	EBC-2200	EBC-2100	EBC-1100
Model	NANO-BT-i1 NANO-QM871-i1	NANO-LX	WAFER-BT-E38001W2