

# IEI EPIC

# NANO

EPIC - NANO is to define a new industry open standard for small form factor embedded computer boards, called Embedded Platform for Industrial Computing or EPIC. The NANO single board computer series has multiple I/O expansion options. Its size is midway between the industry standard PC/104 module and EBX board. The boards in EPIC form factor support advanced processors plus complex I/O functions for applications involving data acquisition, video processing, telecommunications, networking, motion control plus the associated field wiring termination, I/O circuit protection, etc. The initial specifications define PC/104 expansions; however, future updates will embrace PCI Express and/or other expansion features. The EPIC standard provides a platform on which to build the next generation feature-rich embedded system for industrial, medical, military, transportation, and commercial applications.

## EPIC Key Features

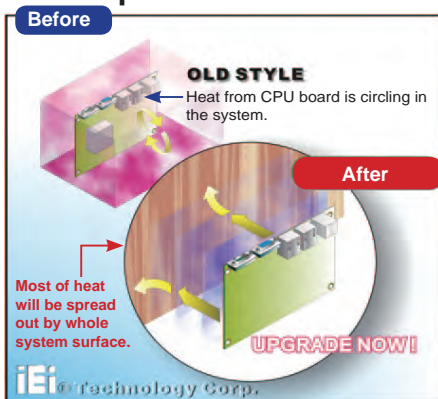
- Fixed Dimensions and mounting holes
- Fixed I/O interface
- Fixed PCI-104, PC/104 location
- Fixed CPU location



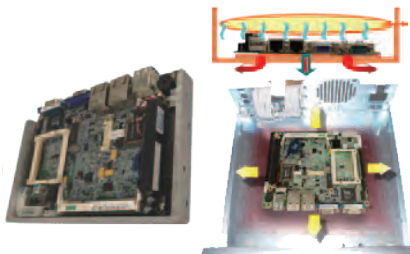
## Benefits from NANO Board

- 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

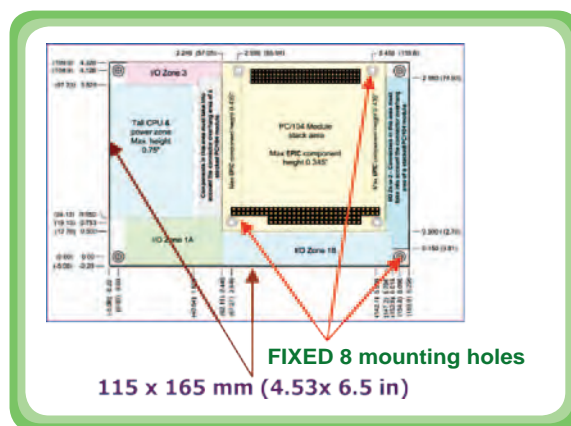
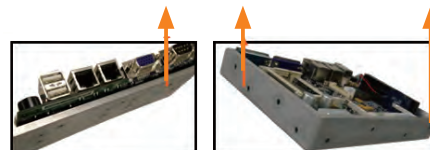
## Heat Spreader



Multiple screw mounting holes provide flexibility for all thermal solutions.



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## Dual Display Solutions

Chipset	Intel® QM87	Intel® QM77	Intel® HM65	Intel® HM65	Intel® D2550/N2600	Intel® D2550/N2600
Model Name	NANO-QM871	NANO-QM770	NANO-HM651	NANO-HM650	NANO-CV-D25501/N26001	NANO-CV-D25502/N26002
Dual Display	VGA/ HDMI/ LVDS (3 displays support)	DVI-I/ HDMI/ LVDS (3 displays support)	VGA/ HDMI/ LVDS	VGA/ HDMI/ LVDS	VGA/ HDMI/ LVDS	VGA/ LVDS

Chipset	Intel® QM57	Intel® D525/D425/N455		Intel® 945GME	Intel® 945GSE	
Model Name	NANO-QM57A	NANO-PV-D5251/D4251/N4551	NANO-PV-D5252/D4252/N4552	NANO-9452	NANO-945GSE2	NANO-945GSE
Dual Display	DVI + DVI DVI + VGA	VGA + LVDS	VGA + LVDS LVDS + LVDS	VGA + LVDS VGA + HDTV LVDS + HDTV	VGA/ LVDS/ TTL	VGA/ LVDS/ HDTV

## Embedded System Mapping



Embedded System	ECN-380	ECN-360A	ECN-581A	ECW-281B	ECW-281B-R21	EBC-2100	EBC-2101	EBC-2102
Model	NANO-QM871 NANO-QM770	NANO-HM651 NANO-CV-D25502	NANO-QM57A NANO-PV-D5251	WAFER-CV-D25501 WAFER-PV-D5252	WAFER-945GSE	NANO-LX	NANO-945GSE	NANO-PV-D5251