

Axiomtek ZIO Form Factor Technical Notes

ZIO Embedded Compact Extended Form Factor

ZIO is an embedded compact extended form factor that provides a flexible and functional design for single-board embedded systems. ZIO form factor is a solution for those who face limited expandability from the use of conventional single-board designs and has the ability to extend I/O modules in a flexible manner. ZIO form factor SBC can help drive market demand for various vertical applications using a more efficient approach. Included is a wide variety of interfaces such as DP (DisplayPort), PCIe, USB, LPC, Audio Line-out and power, meeting requirements for system integrations.

The ZIO form factor is an integrated interface standard defined by Axiomtek and has been adopted as one of our specifications in our 3.5" CAPA single board computers to meet concerns regarding insufficient expansion interfaces in small form factor (SFF) single board computers.

Specification Requirements

The dimensions of the ZIO form factor SBC are 80 mm x 55 mm and it places on the Region II of the bottom side of 3.5" CAPA single board computers. While it stacks under the Region I, I/O connector, of 3.5" CAPA single board computers, it looks like a 2nd layer of I/O connector.

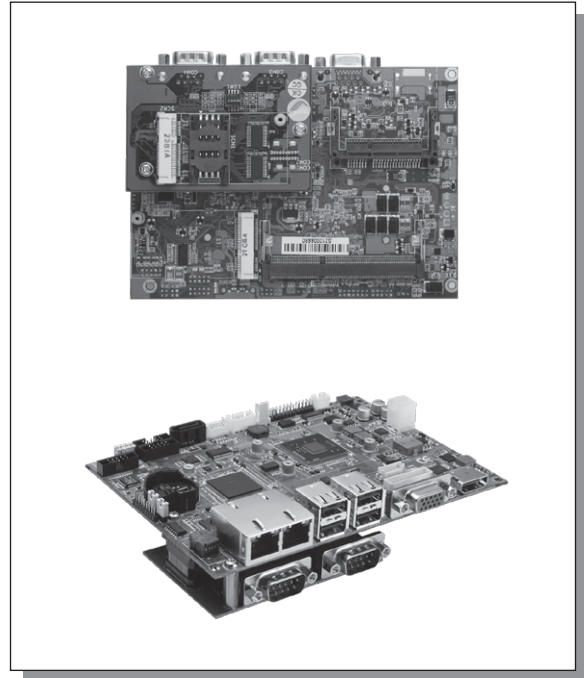


Figure 1: 3.5" CAPA Board with ZIO Module AX93262

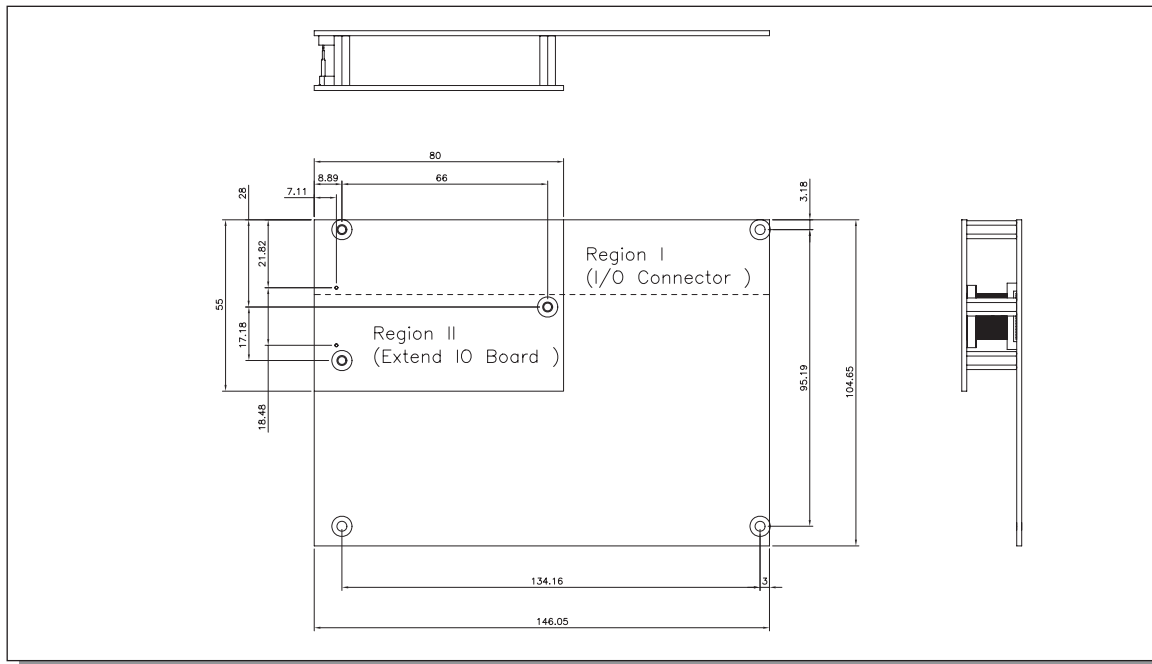


Figure 2: Board Dimensions and Mounting Holes

SBC
Services
and Solutions

Systems
on
Modules

Embedded
SBCs
>EPIC

Embedded
SBCs
>3.5" CAPA

Embedded
SBCs
>Nano-ITX

Embedded
SBCs
>Pico-ITX

Embedded
SBCs
>PC/104

Industrial
Mother-
boards

Slot
CPU
Cards

Accessories

Appendix