DESIGN WITH MAX I/O!

Don't compromise your design requirements! Leverage MAX I/O and put the decision of how to use PCI Express in the control of your system designers and not in the hands of the motherboard supplier!

Are your designs requiring more I/O than the standard motherboard ATX, EATX or even WATX configurations allow? Is one of your dual-slot PCIe cards overrunning the adjacent connector? Would you like to shrink your solutions form factor? How about packaging more processing power or storage into your appliance?

Today's processors from Intel® and AMD have a plethora of processing power and PCIe lanes. Packing all of these lanes into an increasingly crowded and finite motherboard layout is becoming a challenge for even the most experienced design engineers. This is where many designers are turning to AIC's MAX I/O technology.

CONVENTIONAL I/O
To Bottlenecked I/O Lane

MAX I/O
To Scalable I/O Lanes with Modular Expansion

SAS/SATA
Infiniband
Gigabit
Encoding/Decoding
Packet Inspection

What is MAX I/O?

Using the PCIe signals from AMD, Intel®, or even your own custom ASIC, MAX I/O is a new and innovative way of utilizing PCI Express at the source, the system processor. By intercepting the PCIe signals at the processor, you can decide how you would like to configure and manage the PCIe to create the most available bandwidth.

How MAX I/O Works!

Using a combination of the processor's BIOS, signal routing, connectors, and riser cards, MAX I/O enables your design to manage the PCIe lanes individually or in groups. This allows designers the freedom to decide on what level of I/O expansion they want by choosing one of the many connectors and riser cards that will fulfill their unique I/O expansion requirement.

MAX I/O Advantages

1. Enables multiple I/O configurations from the same server board, maximizing design flexibility and minimizing time-to-market
   - a. Use the same server board, with different I/O boards to create additional solutions
   - b. By using the same server board, you minimize hardware development costs
   - c. Enables ISV's to minimize software configurations by using the same hardware
   - d. Lowers design risk by only modifying the I/O riser boards

2. MAX I/O works with any brand of PCI-based HBAs for applications like Security & Surveillance, Imaging Compression, Network Accelerator, Finance Technology, Digital Media, Telecommunications, and many more.

MAX I/O®
Maximum I/O

Want to learn more about MAX I/O?
✉ Contact **sales@aicipc.com** now!