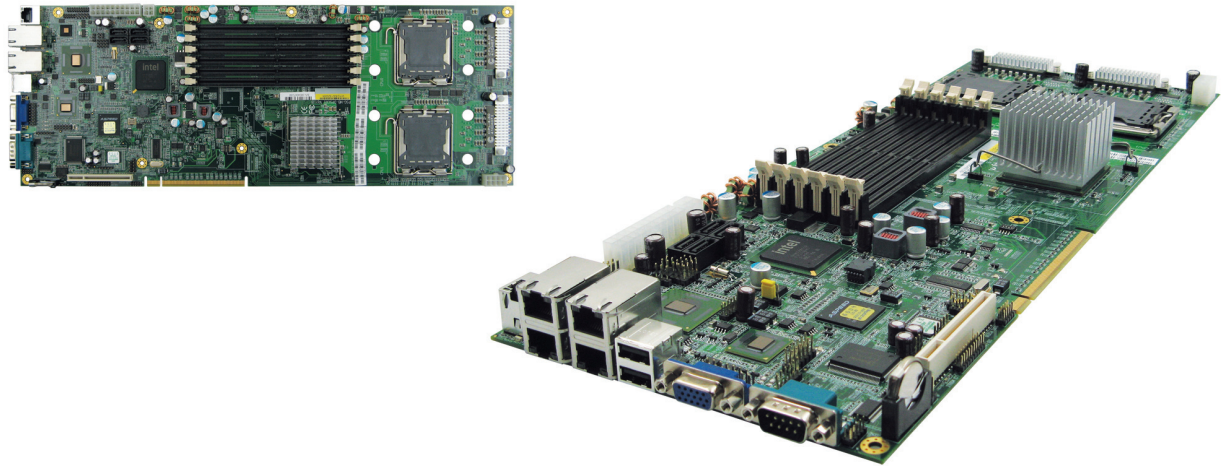


Aquarius DP5100-MIO

Aquarius



Product Overview

The Aquarius series motherboard features the revolutionary MAX I/O™ technology embedded on board, allowing for maximum flexibility of I/O usage, never before available in the industry.

Built upon the MAX I/O technology, the Aquarius series provides OEM/ODMs and systems integrators the flexibility to provide a myriad of options for I/O usage and cards from a single motherboard. MAX I/O technology is the flexible solution that allows systems integrators and VARs to maximize the input/output (I/O) usage, by utilizing the PCI Express directly at the source and eliminating the need for expensive switches.

The Aquarius motherboards also deliver an accommodating footprint design. The unique RTX form factor utilizes full internal chassis height for optimum I/O configurations.



MAX I/O™
Maximum I/O

PCI EXPRESS



Features & Benefits

- 1 Support two Intel® quad-core or dual-core 5000 series processors for significantly increased server performance without an increase in power consumption
- 2 ASPEED AST 2050 BMC (*Baseboard Management Controller*)
 - IPMI 2.0 spec
 - iKVM, Media redirection, SMASH support
 - KCS (keyboard controller style), IOL (IPMI over LAN), SOL (Serial over LAN) interface
 - Temp, Voltage and Fan speed monitoring
 - Smart fan speed control
 - System identity, Fan fail alarm, System status alarm LED
 - Remote power ON/OFF/RESET
 - RMCP+, SNMP, DHCP in IOL support
 - AES-128 encryption in RMCP+
- 3 Two external Intel Gigabit Ethernet ports provide high-performance network connections, plus one internal Intel Gigabit Ethernet port
- 4 Rackmount Technology Extension (RTX) form factor utilizes full internal chassis height for optimum I/O configurations

Specifications

System

Processor Support :	Dual LGA771 to support Intel® Dual Core/Quad Core Xeon® processors (Clovertown, Wolfdale-DP, Harpertown)
System Memory :	6 DIMM up to 48 GB Reg ECC DDR2 DDR2 533/667 MHz
System Chipset :	Intel® 5100 (San Clemente) + ICH9R 1066/1333 MHz FSB
Expansion :	1 PCIe X16 Gold-Finger (can be converted into any combinations of expansion slots) 1 PCIe X8 (w/ X4 link) SATA CF (optional)

System BIOS

BIOS :	<ul style="list-style-type: none">• AMI BIOS• SPI (Serial Peripheral Interface) FLASH interface• ACPI S1, S4, S5• PXE (rev 2.0) support• WOL• AC loss recovery• Serial console redirection
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Management

IPMI :	Aspeed AST1100 (Optional AST2050) iKVM + Media Re-direction FW
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Graphics

VGA Controller and Memory :	Aspeed AST1100 (optional AST2050) 1 external VGA port + 1 internal VGA port Up to 128 MB of system memory
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Ethernet

Ethernet Controller :	2 Intel® 82575 (Zoar) PCIe Dual MAC GbE (4 GbE) + 1 Intel® 82566 GbE
Connector :	4 RJ-45 ports (external) 1 RJ-45 port (internal)

I/O

I/O Chipset and Expansion :	Intel® ICH9R + Winbond W83627 1 x IDE, 4 x SATA2 (w/ RAID 0, 1, 10), 2 x Serial COM (1 port + 1 pin-header)
USB :	2 ports onboard + 4 pin-headers for 8 ports (USB 2.0)
Others :	Debug port, GPIO port, ICT test points

Mechanical & Environment

Dimensions :	12" x 6" (304.8mm x 152.4mm)
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Compatibility Guide	www.aicpc.com/CompGuide.aspx
Where to Buy	www.aicpc.com/WhereToBuy.aspx
AIC-PSG website	www.aicpsg.com
AIC website	www.aicpc.com

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