



Product Brief

- ASRock DuraCaps
- Dual Socket B2 (LGA1356) supports Intel® Xeon® E5-2400/1400 Series Processors
- Supports Triple Channel DDR3 1600 memory, 8 DIMM slots, Max. 128GB
- 3 PCIe 3.0 x16 slots (1 PCIE6: x16 mode ; 2 x PCIE4/PCIE2: x16/x0 mode or x8/x8 mode)
- 1 PCIe 3.0 x4, 1 PCIe 2.0 x1, 1 PCI
- ASPEED AST2300 graphics
- 1 VGA : D-Sub
- 7 USB 2.0 (2 from rear I/O, 4 from onboard headers, 1 Type A port)
- 2 SATA3 6.0 Gb/s and 8 SATA2 3.0 Gb/s connectors by Intel® C602, support RAID (RAID 0, RAID 1, RAID 5, RAID 10 and Intel Rapid Storage)
- 2 SATA3 6.0 Gb/s connectors by Marvell SE9220, support RAID (RAID 0 and RAID 1)
- 1 Realtek RTL8211E for dedicated IPMI management GLAN
- 2 Intel® 82574L LAN, Support PCIE Dual Gigabit LAN (with Teaming function)

Specifications

Physical status	Form Factor	- SSI CEB
	Dimensions	- 12" x 10.5" (30.5 cm x 26.7 cm)
Processor System	CPU	- Supports Intel® Xeon® E5-2400/1400* Series Processors - Supports Hyper-Threading Technology * E5-1400 only supports single socket.
	Socket	- Dual Socket B2 (LGA1356)
	Power phase	- 4 +1 Power Phase Design & Digi Power design
	Chipset	- Intel® C602
System Memory	Capacity	- 8x 240-pin DDR3 DIMM slots - Support up to 128GB DDR3 R/LR DIMM ; 64GB ECC/non-ECC unbuffered UDIMM
	Type	- Triple Channel DDR3 memory technology - Supports DDR3 1600/1333/1066 R/LR ECC and UDIMM
	Voltage	- 1.5V, 1.35V
Expansion Slot	PCIe 3.0 x 16	3 slots - 1 x PCIE6: x16 mode - 2 x PCIE4/PCIE2: x16/x0 mode or x8/x8 mode
	PCIe 3.0 x 4	- 1 slot
	PCIe 2.0 x 1	- 1 slot
	PCI	- 1 slot
Storage	SATA controller	- Intel C602 : 2 x SATA3 6.0 Gb/s, 8 x SATA2 3.0 Gb/s, support RAID 0, 1, 5, 10 and Intel Rapid Storage 3.0 , NCQ, AHCI and "Hot Plug" functions
	Additional SATA Controller	- Marvell SE9220: 2 x SATA3 6.0 Gb/s , support RAID 0, 1, NCQ, AHCI and "Hot Plug" functions
Ethernet	Interface	- Gigabit LAN 10/100/1000 Mb/s
	IPMI Dedicated GLAN LAN Controller	- 1 x Realtek RTL8211E for dedicated management GLAN - 2 x Intel® 82574L - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Quad LAN with Teaming function - Supports PXE
	BMC Controller	- ASPEED AST2300 : IPMI (Intelligent Platform Management Interface) 2.0 with iKVM support
Management	IPMI Dedicated GLAN Features	- 1 x Realtek RTL8211E for dedicated management GLAN - Watch Dog - NMI
	Controller	- ASPEED AST2300
Graphics	VRAM	- DDR3 16MB
	Output	- Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz
	PS/2 KB/mouse	- 2
Rear Panel I/O	VGA port	- D-sub x 1
	USB 2.0 port	- 2
	Lan port	- 2 x RJ45 Gigabit Ethernet LAN ports - 1 x RJ45 Dedicated IPMI LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
	Serial port	- 1 (COM1)
	COM port header	- 1 (COM2)
Internal connector	Auxiliary panel header	- 1 (include chassis intrusion , location button & LED , front LAN LED)
	TPM header	- 1
	Thermal sensor header	- 1
	IPMB header	- 1
	Buzzer	- 1
	Fan header	- 8 (8 x 4-pin or 6 x 4-pin, 2 x 3-pin) ** ** CPU fan header have 3-pin and 4-pin ones. Two types couldn't be used at the same time.
	ATX power	- 1 (24-pin) + 2 (8-pin)
	USB header	- 2 (each support 2 USB 2.0)
	Type A USB 2.0 port	- 1
	PSUSMB header	- 1
	Dr. Debug with LED	- 1
System BIOS	BIOS type	- 64Mb AMI UEFI Legal BIOS with GUI support
	BIOS features	- Plug and Play (PnP) - ACPI 1.1 Compliance Wake Up Events - SMBIOS 2.3.1 Support - DRAM Voltage Multi-adjustment - ASRock Instant Flash
	Temperature	- CPU Temperature Sensing - System Temperature Sensing
	Fan	- CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow CPU Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control
Hardware Monitor	Voltage	- Voltage Monitoring: CPU1/2, DRAM1/2, VTT1/2, VCCSA1/2, 3V/5V/12V, +1.05V_PCH, +BAT, 3VSB, 5VSB
	OS	- Microsoft® Windows® Server 2008 / 2008 R2 / Linux compliant
Support OS	OS	- Microsoft® Windows® Server 2008 / 2008 R2 / Linux compliant
	Temperature	- Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Enviroment	Humidity	- Non operation humidity: 20% ~ 90% (Non condensing)

Board Diagram

