

Stallion – Rugged Rack Mount Server / Workstation

Alligator’s Stallion Series is ideal choice for high end computing meeting Rugged environmental standards. The Stallion PCI is a 19” rack mountable integrated with passive backplane with mix of PCI / PCIe bus slots.

The Stallion is equipped with latest Intel Core i7/Xeon motherboard which provides Ethernet, USB, RAID, Serial Ports and PCI/PCIe expansion capabilities.

The card area is provided with card hold down brackets to secure from shock and vibration for the applications that demands continuous and reliable operation in harsh environment.

The Stallion series systems has rear I/O configuration as per the customer needs, depending upon the application specific I/O terminations through MIL series connectors. Cooling arrangement of the system is realized through cooling fans provided near the card area and clear airflow is maintained through the card slots. The heat is dissipated through the honeycomb vent provided at the rear of the chassis.

The front of the system provides the accessibility to storage devices, status indications & ON/OFF switch controls. All Stallion series systems are used for Shipboard, airborne, and ground mobile applications.



FEATURES

- Rugged Air Cooled Server/Workstation
- 19”, 4U Rack Mount/ Tray Mount with Shock Isolation
- Latest Intel Multi-core Core i7 / Xeon
- PCI/PCIe Expansion Slots
- All aluminum designed for harsh environments
- AC / DC Voltage Input options
- Up to 800 Watts Power
- Optional redundant power supply
- Switch / Indications on front
- Compliant to MIL-STD-810F
- EMI/EMC as per MIL-STD-461E
- Integrated Cooling fans
- I/O termination at rear through MIL-STD-C38999 Series / MIL-D Connectors

Processor		Environmental Conditions	
CPU	<ul style="list-style-type: none"> • Intel® Xeon® processor E5-26xx v3 family • Dual Socket R3 (LGA 2011) 	Operating Temperature: -10°C to 60°C Storage Temperature: -20°C to 70°C Operating Humidity: 5%-95% NC EMI/EMC: As per MIL-STD-461E (Airforce & Navy) Shock: 40g & Vibration: 2g (20-2000Hz)	
System Bus	QPI up to 9.6 GT/s	System BIOS	
System Memory		BIOS Features	<ul style="list-style-type: none"> • Plug and Play (PnP) • PCI 2.3 • ACPI 1.0 / 2.0 / 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1
Memory Capacity	<ul style="list-style-type: none"> • 16 x 288-pin DDR4 DIMM slots • Up to 2TB ECC 3DS LRDIMM, 512GB ECC RDIMM 		
Memory Type	2400+/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit		
Error Detection	Corrects single-bit errors		

Specifications

PC Health Monitoring		Management	
FAN	<ul style="list-style-type: none"> 6 x fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors 	Software	<ul style="list-style-type: none"> Intel® Node Manager 3.0 IPMI 2.0 NMI SPM SSM SUM Watch Dog
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 8x Fan Connectors Thermal Monitor 2 (TM2) support PECI 	Power Configurations	<ul style="list-style-type: none"> ACPI / APM Power Management Power-on mode for AC power recovery
		Expansion Slots	
		PCI-Express	<ul style="list-style-type: none"> 2x PCI-E 3.0 x16 4x PCI-E 3.0 x8 1x PCI-E 3.0 x4 (in x8)
LED	<ul style="list-style-type: none"> CPU / System Overheat LED Suspend static indicator LED UID/Remote UID 	Dimensions in MM	
		Width	482.6
		Height	177
		Depth	492
On-Board Devices		Input / Output	
Chipset	Intel® C612 chipset	SATA	10x SATA3 (6Gbps) ports
AHCI SATA	SATA3 (6Gbps); RAID 0, 1, 5, 10	LAN	<ul style="list-style-type: none"> 4x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2400 BMC 	USB	<ul style="list-style-type: none"> 2x USB 3.0 ports 2x USB 2.0 ports
Network Controllers	<ul style="list-style-type: none"> Intel® i350 Quad Gigabit Ethernet LAN Virtual Machine Device Queues reduce I/O overhead 	Video	1x VGA Connector
		Serial Port	<ul style="list-style-type: none"> 1x Fast UART 16550 serial 2x COM Ports
		DOM	2 x SuperDOM (Disk on Module) ports
		TPM (option)	1 x TPM Header

Ordering Information - Part Number: Contact Factory

* Specifications are subject to change without prior V1-0816

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