QuantaMicro X10E-9N

Hybrid, High Density and High Efficiency

Rear view

- High Density and Easy Service 3U 9-node Chassis
- Enhances Manageability and Reduces TCO
- Increased Performance at Optimal Energy Efficiency and Lower OPEX
- Multifuntional Serviceability

The QuantaMicro X10E-9N is a microserver built upon the Intel® Xeon® processor E3-1200 v5 product family, supporting up to 9 server nodes in a compact 3U chassis. Dedicated to attaining the best space, energy , and cost efficiency, this high-compute-density and low-power system is the best suited for the growing number of hyper-scale workloads found inside modern datacenters.

Enhances Manageability and Reduces TCO

The QuantaMicro X10E-9N simplifies data center management by merging up to 9 independent server nodes into a single system, significantly enhancing manageability by allowing the control of all nodes in the chassis at once. The converged infrastructure also integrates redundant switches; this eliminates the necessity for an extra Top-of-Rack switch, considerably improving network cabling service time and significantly reducing Total Cost of Ownership (TCO).

Increased Performance at Optimal Energy Efficiency and Lower OPEX

Embedded with the latest Intel® Xeon® E3-1200 v5 Skylake processors, the next-gen QuantaMicro X10E-9N not only enhances computing performance by 10% compared to its predecessor, but also boosts its memory performance by 33%, while lowering power consumption by at least 20%. By sharing a set of redundant power supplies and cooling modules across all nodes and switches, this efficient architecture enhances energy efficiency and reduces operational expenses (OPEX).

Multifunctional Serviceability

Conceived with serviceability as a top priority, the QuantaMicro X10E-9N comprises hot-swappable servers, switches and PSU, all designed to be cold-aisle operational for easy service access. This flexible chassis comes in a 4 x 2.5" SSD/HDD SKU option for optimal throughput or a 2 x 3.5" SKU option for extended storage capacity. Since the 3.5" SKU can also install 2.5" drives without additional modification, this refined microserver opens up the door for 1 x 3.5" + 1 x 2.5" hybrid mode to handle more specific computing workloads as the cloud service market matures.

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

http://www.QCT.io

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Processor	**Processor Type:** Intel® Xeon® processor E3-1200 v5 product family **Max. TDP Support:** 80W **Number of Processors:** (1) per node **L3 Cache:** 8 MB Intel® Smart Cache
Chipset	Intel® C236 PCH-H
Memory	**Total Slots:** (4) slots per node **Capacity:** Up to 64GB UDIMM **Memory Type**: 2133/2400 MHz DDR4 ECC UDIMM slot per sled **Memory Size:** 16GB, 8GB, 4GB UDIMM
Network Controller	**Optional NIC (more options refer to the CCL):** Option 1: QCT Intel® i350 mezzanine with (1) PCIe 2280 M.2 + (2) 1G RJ45 Option 2: QCT Intel® i350 mezzanine with (1) PCIe 2280 M.2 + (4) 1G RJ45
Storage Controller	**Onboard:** Intel® C236: (4) SATA 6Gb/s ports **Optional Controller (more options refer to the CCL):** (1) LSI 3008 SAS 12 Gb/s storage controller
Onboard Storage	(1) SATADOM (1) PCIe 2280 M.2 mezz card controller (optional) (1) PCIe/SATA 2280 M.2 on Rear M.2 Mezz card on board (optional)
Video	Integrated AST2400 with 8MB DDR3 video memory external VGA connector
TPM	TPM 1.2/2.0 SPI module
Form Factor	3U Rack Mount, 9 Nodes, (9) Front Side Hot-Swap
Dimensions	**W x H x D (inch):** 17.6" x 5.1" x 29.8" **W x H x D (mm):** 447 x 130.8 x 758 mm
Storage	Option 1: (2) 3.5" fixed SAS/SATA HDD/SSDs Option 2: (4) 2.5" fixed SAS/SATA HDD/SSDs
Expansion Slot	(1) PCIe Gen3 x12 mezzanine slot
Network Switch	Option 1: 1+1 1Gb Ethernet Redundant Switch module Option 2: (2) BMC I/O RJ45 Console Module
Front I/O	(2) USB 3.0 (1) VGA port Power Button with LED / ID button with LED / Status LED/ HDD LED
Power Supply	(1+1) high efficiency hot-plug 1600W PSU, 80 Plus Platinum (only support 220V AC input)
Fan	(3) 12076 Fan Module (1) 6076 Fan Module Support N+1, One rotor fail
System Management	IPMI v2.0 Compliant, on board "KVM over IP" support
Operating Environment	Operating temperature: 5°C to 40°C (41°F to 104°F) Non-operating temperature: -40°C to 65°C (-40°F to 149°F) Operating relative humidity: 50% to 85%RH. Non-operating relative humidity: 20% to 90%RH
Weight	52.85 KG

Found at: www.QCT.io/wheretobuy

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