



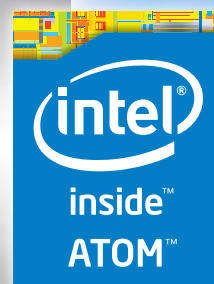
MicroBlade

Power Efficiency • Density • Performance • Cost-Effectiveness

Up to **112** UP Nodes in 6U,
Intel® Atom™ Processor C2750 Series Support



*Industry's
Densest
UP Servers*



Intel® Atom™ Processor C2000 series and more...

Highest Density for Best Space Savings

- 112 Intel® Atom™ Processor C2750 series UP Nodes in 6U
- Up to 99% cable reduction compared to 1U servers

Best Performance-per-Rack for Compute Intensive Applications

- Up to 784 nodes (6272 cores) per 42U rack

SDN (Software Defined Switch)

- Redundant GbE switches with 40G/10G uplinks, and more...

Maximum Efficiency for Best TCO

- High-efficiency Supermicro system design (as low as 10 watts per node)
- 95% efficiency, Platinum, N+1 or N+N redundant digital power supplies

Ease of Management & Maintenance

- Remote Management (IPMI 2.0, KVM over IP, remote Virtual Media)
- Front-Loading Nodes for easy access and servicing

Applications:



Dedicated Hosting



Web Front End



Content Delivery



Social Networking



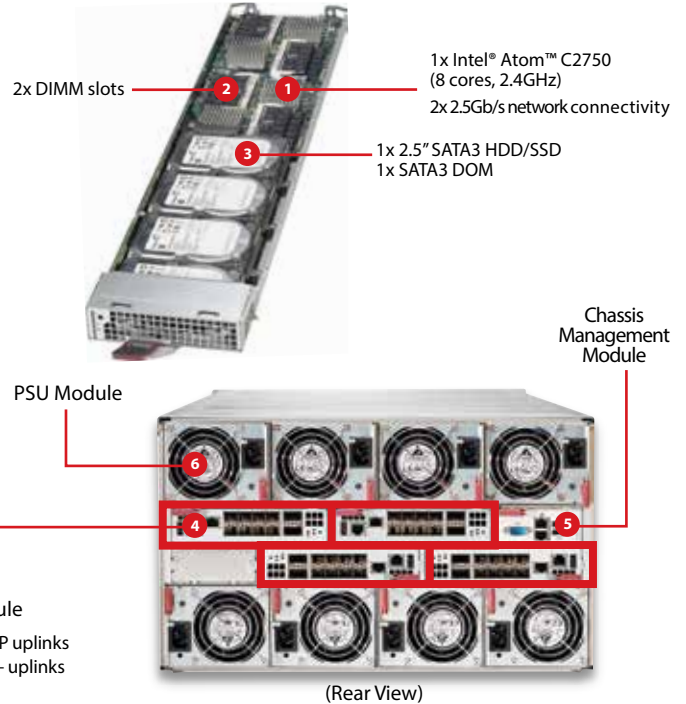


112 UP Nodes in 6U

New! Intel® Atom™ Processor C2750 Series Support

**Industry's Densest
UP Server**

MicroBlade Module :
(4 independent nodes per module)
Each node supports:



MODEL

MicroBlade

MicroBlade Module
(4 independent nodes per module)
Each node supports:

- 1x Intel® Atom™ Processor C2750 (8 cores, 2.4GHz) with 2x 2.5Gb/s network connectivity per node
- Up to 32GB ECC DDR3 1600/1333MHz SO-DIMM in 2x DIMM sockets per node
- 1x 2.5" 6Gb/s SATA3 HDD/SSD and 1x SATA3 DOMs per node

Outstanding Features

- 112 Intel® Atom™ Processor C2000 series UP Nodes in 6U
- Up to 784 UP nodes (6272 cores) per 42U rack
- Up to 99% cable reduction
- Up to 4x GbE switches with 2x 40Gb/s QSFP or 8x 10Gb/s SFP+ uplinks per enclosure
- Up to 8x (N+1 or N+N **redundant**) 1600W **Platinum Level** High-Efficiency (95%) **Digital** power supplies per enclosure

4 Switch Module

- 2x 40Gb/s QSFP or 8x10Gb/s SFP+ uplinks
- 56x 2.5Gb/s downlinks

- L2+ Switching
- 64K MAC Table
- 4K VLANs
- Port Mirroring
- Spanning Tree (RSTP / MSTP)
- Access Control List (ACL)

- Link Aggregation
- Storm Controllers
- IGMP Snooping
- SDN/OpenFlow
- CLI / SNMP / XMLRPC

- Intel® Open Networking Software (ONS)
- Out of Band Management port
- RS232 Console
- Cisco compatible
- LLDP Data Center Bridging

5 Chassis Management Module

1 CMM remotely manages and monitors server blades, power supplies, cooling fans, and networking switches

- IPMI 2.0 compliant, with KVM over LAN / KVM over IP
- Serial over LAN (SOL)
- Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction)
- LAN Alert-SNMP Trap
- Event Log

- Hardware Health Monitor
- Remote Power Control
- Management Tools - IPMIView, CLI (Command Line Interface)
- Supports RMCP & RMCP+ Protocols

6 PSU Module

- Up to 8x (N+1 or N+N **redundant**) 1600W (200-240VAC)/1400W (120-140VAC)/1200W (100-120VAC) **Platinum Level** High-Efficiency (95%) **Digital** power supplies with cooling fans
- Peak efficiency 95% at 50% loading
- Supports remote monitoring through I²C and SMBus

Form Factor

6U Enclosure
449 x 265 x 813mm (17.67"W x 10.43"H x 32"D)