

Refurbished CISCO N20-B6625-1 Datasheet

CISCO > SERVERS-UNIFIED-COMPUTING

Cisco UCS B-Series Blade Servers

Features and Benefits	
Feature	
Feature	Benefit
Unified fabric	Decreases TCO by reducing the number of network interface cards (NICs), host bus adapters (HBAs), switches, and cables needed
Service profile support	Contains all the infrastructure policies required to deploy applications and provision servers Helps reduce the number of manual steps required and the opportunity for human error, improving server policy consistency and coherency. Allows servers and support infrastructure to be provisioned in minutes instead of days, shifting IT's focus from maintenance to strategic initiatives
Autodiscovery	Requires no configuration; like all components in the Cisco Unified Computing System, blades are automatically recognized and configured by Cisco UCS Manager
Cisco Extended Memory Technology	With Cisco UCS B250 M2, provides up to 384 GB of DDR3 memory Substantially increases the memory footprint, increasing performance and capacity for demanding virtualization and large-data-set workloads Helps reduce the number of servers and decrease licensing costs with higher virtual to physical consolidation ratios Offers a more cost-effective memory footprint as smaller-density DIMMs can be substituted for more expensive, higher-density DIMMs
Two server blade types	Provides memory and I/O bandwidth flexibility to meet application requirements
Mezzanine adapters	Provides flexibility, increased performance, compatibility with industry standards, and network policy coherence for virtualized environments
Hot-swappable SAS drives	Each blade supports up to two front-access hot-swappable drives for local storage, providing redundancy options and ease of serviceability Supports 10,000-RPM drives for value and capacity. and 15,000-RPM drives for performance
Embedded RAID 0 and 1 support	Provides data protection at no additional cost
Intel Xeon Series 5600 multicore processors	Adapts processor performance to application demands, and intelligently scales energy use based on utilization Cisco UCS B200 M2 provides up to 192 GB of DDR3 memory
Intel Intelligent Power Technology	Reduces energy costs by automatically putting processor and memory in the lowest available power state while still delivering the performance required
Intel Next-Generation Virtualization Technology	Enables best-in-class virtualization performance, superb scalability, enhanced flexibility, and simplified server management
Extensive monitoring	For each blade, provides extensive environmental monitoring Allows use of user thresholds to optimize environmental management of the blade

Product Specifications	
Item	Specification
Processors	1 or 2 Intel Xeon Series 5600 processors Choice of Cisco UCS B250 M2 processors: Intel Xeon X5690, X5680, X5675, X5670, X5650, E5649, E5640, or E5620 Choice of Cisco UCS B200 M2 processors: Intel Xeon X5690, X5680, X5675, X5670, X5650, E5649, E5640, or E5620
Memory	Up to 12 DIMM slots per Cisco UCS B200 M2 Up to 48 DIMM slots per Cisco UCS B250 M2 Support for DDR3 registered DIMMs

	Support for DDR3 low voltage DIMMs
Mezzanine adapters slots	1 per Cisco UCS B200 M2 1 or 2 per Cisco UCS B250 M2
Mezzanine adapter types	Cisco UCS 82598KR-10 Gigabit Ethernet Network Adapter: Cisco UCS M71KR-Q QLogic Converged Network Adapter Cisco UCS M71KR-E Emulex Converged Network Adapter Cisco UCS M81KR Virtual Interface Card
Hard drives	Up to 2 front-accessible, hot-swappable, 2.5-inch SAS or SATA Solid State Disk (SSD) drives per blade
Hard drive options	73-GB SAS; 15,000 rpm 146-GB SAS; 10,000 rpm and 15,000 rpm 300-GB SAS; 10,000 rpm 100-GB 15mm SATA SSD
Management	Managed from the Cisco UCS 6100 Series Fabric Interconnects by Cisco UCS Manager
Temperature: Operating	50 to 95°F (10 to 35°C)
Temperature: Nonoperating	-40 to 149°F (-40 to 65°C)
Humidity: Operating	5 to 93% noncondensing
Humidity: Nonoperating	5 to 93% noncondensing
Altitude: Operating	0 to 10,000 ft (0 to 3,000 m) Maximum ambient temperature decreases by 1°C per 300m)
Altitude: Nonoperating	40,000 ft (12,000m)

Regulatory Standards Compliance: Safety and EMC

Specification	
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/108/EC
Safety	UL 60950-1 CAN/CSA-C22.2 No. 60950-1 EN 60950-1 IEC 60950-1 AS/NZS 60950-1 GB4943
EMC: Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A CNS13438 Class A
EMC: Immunity	EN50082-1 EN61000-6-1 EN55024 CISPR24 EN300386 KN 61000-4 Series

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