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Refurbished CISCO UCS-ACC-6296UP Datasheet

CISCO > SERVERS-UNIFIED-COMPUTING

Cisco UCS 6200 Series Fabric Interconnects

Features and Benefits

Feature	
Feature	Benefit
Management by Cisco UCS Manager	Allows all elements connected to the interconnects to participate in a single, highly available management domain
Unified fabric	Decreases TCO by reducing the number of NICs, HBAs, switches, and cables needed Transparently encapsulates Fibre Channel packets into Ethernet
Fabric extender architecture	Scales to 20 chassis without adding complexity by eliminating the need for dedicated chassis management and blade switches and by reducing the number of cables needed Provides deterministic latency for optimized application performance
Performance	Provides high-speed, low-latency connectivity to the chassis Provides approximately 50% reduction in end-to-end system latency (latency is 3.2 microseconds)
Lossless fabric	Provides a reliable, robust foundation for unifying LAN and SAN traffic on a single transport
Priority flow control (PFC)	Simplifies management of multiple traffic flows over a single network link Supports different classes of service, helping enable both lossless and classic Ethernet on the same fabric
Systemwide bandwidth management	Helps enable consistent and coherent quality of service (QoS) throughout the system
Cisco Data Center VM FEX echnology	Helps enable a consistent operational model between virtual and physical environments Provides the same level of network visibility for virtualized and nonvirtualized environments Improves diagnostic and troubleshooting capabilities in a virtual environment Simplifies network and security policy enforcement when migrating virtual machines from one host to another
Rear ports	Helps keep cable lengths short and efficient
Redundant hot-swappable fans and power supplies	Helps enable high availability in multiple configurations Increases serviceability Provides uninterrupted service during maintenance
Front-to-back cooling	Supports efficient data center hot- and cold-aisle designs
SFP+ ports	Increases flexibility with a range of interconnect solutions, including copper Twinax cable for short runs and fiber for long runs Consumes less power per port than traditional solutions Helps enable cost-effective connections on fabric extenders with Cisco Fabric Extender Transceiver (FET) optics
SFP-compatible ports	Allows all fixed and modular expansion ports to be configured to operate in 1 Gigabit Ethernet mode with the transceiver options specified for use with SFP-compatible ports in Table 3
Port-based licensing options	Helps enable a pay-as-you-go model, allowing customers to add capacity as the networking needs of an individual system increase

Cisco UCS 6200 Series Transceiver Support Matrix

Cisco SFP	
Cisco SFP-10G-SR	10GBASE-SR SFP+ module (multimode fiber [MMF])
Cisco SFP-10G-SR-S	10GBASE-SR SFP+ module (MMF), S-Class
Cisco SFP-10G-LR	10GBASE-LR SFP+ module (single-mode fiber [SMF])

Cisco SFP-10G-LR-S	10GBASE-LR SFP+ module (SMF), S-Class
Cisco SFP-10G-ER	10GBASE-ER SFP+ module (SMF)
Cisco SFP-10G-ER-S	10GBASE-ER SFP+ module (SMF), S-Class
Cisco SFP-H10GB-CU1M	10GBASE-CU SFP+ cable, 1m (Twinax cable)
Cisco SFP-H10GB-CU3M	10GBASE-CU SFP+ cable, 3m (Twinax cable)
Cisco SFP-H10GB-CU5M	10GBASE-CU SFP+ cable, 5m (Twinax cable)
SFP-H10GB-ACU7M	10GBASE-CU SFP+ cable, 7m (Twinax cable)
SFP-H10GB-ACU10M	10GBASE-CU SFP+ cable, 10m (Twinax cable)
Cisco SFP-10G-AOC1M	10GBASE-AOC SFP+ cable, 1m
Cisco SFP-10G-AOC2M	10GBASE-AOC SFP+ cable, 2m
Cisco SFP-10G-AOC3M	10GBASE-AOC SFP+ cable. 3m
Cisco SFP-10G-AOC5M	10GBASE-AOC SFP+ cable. 5m
Cisco SFP-10G-AOC7M	10GBASE-AOC SFP+ cable. 7m
Cisco SFP-10G-AOC10M	10GBASE-AOC SFP+ cable. 10m
Cisco FET-10G	10GBASE-FET SFP+ module (MMF)
Cisco GLC-T	1000BASE-T SFP (for SFP-compatible ports only, as defined in Table 2)
Cisco GLC-SX-MMD	Gigabit Ethernet SFP, LC connector SX transceiver (MMF; for SFP-compatible ports only, as defined in Table 2)
Cisco GLC-LH-SMD	Gigabit Ethernet SFP, LC connector LX/LH transceiver (SMF; for SFP-compatible ports only, as defined in Table 2)
Cisco SFP-GE-T	1000BASE-T SFP, extended temperature range (for SFP-compatible ports only, as defined in Table 2)
Cisco SFP-GE-S	Gigabit Ethernet SFP, LC connector SX transceiver (MMF), extended temperature range and digital optical monitoring (DOM) (for SFP-compatible ports only, as defined in Table 2)
Cisco SFP-GE-L	Gigabit Ethernet SFP, LC connector LX/LH transceiver (SMF), extended temperature range and DOM (for SFP-compatible ports only, as defined in Table 2)
Cisco DS-SFP-FC4G-SW	4-Gbps Fibre Channel shortwave (SW) SFP, LC
Cisco DS-SFP-FC4G-LW	4-Gbps Fibre Channel longwave (LW) SFP, LC
Cisco DS-SFP-FC8G-SW	8-Gbps Fibre Channel SW SFP+, LC
Cisco DS-SFP-FC8G-LW	8-Gbps Fibre Channel LW SFP+, LC

DC Power Supply

Property	
Property	Cisco UCS 6248UP
Typical operating power	400W with 48 ports running at 100%
Maximum output power	750W
Input voltage	-40 to -72 VDC
Input current	25A maximum
Maximum input power	1000W
Efficiency	88 to 92% (50 to 100% load)
RoHS compliance	Yes
Hot swappable	Yes
Heat dissipation	75W (10% of 750W)

Weight

Component	Weight
Component	Weight
Cisco UCS 6248UP with 2 power supplies, 1 expansion module, and 2 fan modules	35 lb (15.88 kg)
Cisco UCS 6296UP with 2 power supplies, 3 expansion module, and 4 fan modules	50 lb (22.67 kg)

Regulatory Standards Compliance

Specification	
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/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
RoHS	The product is RoHS 5-compliant with exceptions for leaded ball grid array (BGA) balls and lead press-fit connectors.

The next steps...

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