

CCS-3400/3300

Multi-Motherboard Blade Server (MMBS) With up to 100 computing nodes (200 CPU-cores) in a 4U system



FEATURE

- Extremely high computing density: Up to 100 CPU (200 cores) in 4U enclosure.
- Flexible combination of motherboard and storage devices in each blade.
- Intelligent system management
- 1G/10G external connection via variable application requests.
- Optional external SATA connection for Cloud Storage application.
- Scalable system extension w/ int. PSU (8 blades) or ext. 1U PSU (10 blades)
- High power efficiency: 15W/core.

SPECIFICATION

System

Model	CCS-3300	CCS-3400
Formfactor	4U enclosure	4U enclosure
Max. Blade	8	10
Power Supply	Built-in 1.6KW N+1 redundant PSU	Ext. 1U R/M 2.0KW N+1 redundant PSU
Management	2 hot swappable management modules installed as default	
External Switching	Two external switching available: - 2x GbE ports on each blade as direct connection to ext. switch. - 2 slots for integrated switching module on rear panel, optional for 1G or 10G.	
Ext. SATA	1 optional SATA switching module for connection with external storage devices.	
Dimension	443 (W) x 836 (D) x 176 (H) mm	
Operation Environment	- Temperature: 5 to 35°C (41 to 95°F) - Humidity: 20% to 90% RH	
Storage Environment	- Temperature: 0 to 70°C (32 to 95°F) - Humidity: 5% ~ 95% RH	
Certification	CE/FCC/UL	

Motherboard

Model	CCSN-1600IE-2220	CCSN-1601IE-2220
CPU/Chipset	Cavium Octeon™ Plus CN5020-500BG 564-SCP Secure Communication Processor	Intel® Atom™ E660T (Tunnel Creek) with EG20T (Topcliff) Platform Controller Hub.
System Memory	32bit DDR2 SODIMM 400/533/667, up to 1GB	32bit DDR2 SODIMM 667/800, up to 1GB
Ethernet	2x GbE interfaces connect with blade-switch.	
Storage Device	One CF socket on board	
SATA	One SATA interface connects with blade SATA-switch via integrated connector.	
Console	One serial port connects with blade selector via integrated connector.	
USB	One USB port connects with blade selector via integrated connector.	
Dimension	145 (L) x 55 (W) x 29 (H) mm	

Blade

Node numbers	Front panel I/O
10 node connectors for variable motherboard and storage combinations: (1) 10 motherboards (2) 8 motherboards & 1 3.5" storage device (HDD, SSD) (3) 6 motherboards & 2 3.5" storage devices (HDD, SSD) (4) 4 motherboards & 3 3.5" storage devices (HDD, SSD)	- 2 GbE RJ45 ports - 1 USB port - 1 RJ45 Console port - 1 MB selector with digit-display - 1 LED for blade status - 1 LED for blade fan status - 10 LEDs for each motherboard status