

CRAY SONEXION 2000

Cray® Sonexion® 2000 Specifications

Rack	Height	42U
	Width	600 mm
	Depth	1200 mm
	Data Switches	Dual 36 port InfiniBand FDR switches standard
	Management Switches	Dual 24 port Gigabit Ethernet switches standard Dual 48 port Gigabit Ethernet switches optional
	Standard Cooling	Passive
	Water-Cooled Option	Rear door heat exchange unit
	Full Rack Weight (Standard Air-cooled)	1,141 kg (2,510 lbs)
	Full Rack Weight (Water-cooled Door)	34.5 kg (76 lbs) additional
Metadata Management Unit (4U24 MMU)	Metadata Controller Height	2U, includes Lustre® MGT, MGS and CSSM nodes
	2U24 Metadata Disk Enclosure Height	2U, 24 drive slots
Metadata Management Unit (7U84 MMU)	Metadata Controller Height	2U, includes Lustre MGT, MGS and CSSM nodes
	5U84 Metadata Disk Enclosure Height	5U, 84 drive slots
Scalable Storage Unit (SSU)	Base/Expansion Unit Height	5U
	Base/Expansion Unit Data Storage	84 drive slots
	Base/Expansion Unit Data Drive Types	82 x 4 TB or 6 TB 7.2K RPM SAS 2 x SSDs
	IOR Read/Write Bandwidth	7.5GB/s sustainable (InfiniBand)
Power Consumption	Rack with Switches	< 16 kilowatts
Heat Dissipation	Rack	<55,000 BTU
System Availability	Hot Swappable	Disk drives, power supply units, fans, power cooling modules, SBB controller modules
Software & Support Information	Software	CSSM, Linux® and Lustre included, 1 year renewable
	Hardware	1 year renewable
General System Environmental Specifications	Altitude and Temperatures	-30 to 3,048m (-100 to 10,000ft)
		5-35° C
		De-rated by 1° C/300m above 900m below the specified maximum temperature
		20% to 80% non-condensing
Power Options	High Power (US typical)	(2) Dual input PDUs per rack (4 total inputs per rack) Volts: 208V AC Type: 3 Phase Amps: 50A Rated Connector: (2) Hubbell CS8365C per PDU
	Standard Power (US typical)	(2) Triple input PDUs per rack (6 total inputs per rack) Volts: 208V AC Type: 3 phase Amps: 30A Rated, Connector: (3) NEMA L21-30P per PDU
	EMEA Power (typical)	(2) Dual input PDUs per rack (4 total inputs per rack) Volts: 415V AC Type: 3 + N + E phases Amps: 32A rated Connector: (2) IEC60309 32A per PDU