

# CLARiiON AX150/AX150i



## Specifications

### Host (front-end) Connectivity

	AX150 Fibre Channel	AX150i iSCSI
Ports	2 per controller	2 per controller
Port type	2 Gbps optical	1 Gbps copper
Protocol	FCP SCSI-3	iSCSI
Operating System Support	Windows, Linux, NetWare, Solaris, VMWare	Windows, Linux
Maximum cable length	Shortwave Optical: 300 m (2 Gbps) FC-AI and FC-SW support	CAT5/E and CAT6 Copper: 100 m (1Gbps)

### Host Scalability

	AX150, AX150i with Single Controller	AX150, AX150i with Dual Controllers
Hosts connected directly	2	4
Hosts connected to SAN	10 (1 HBA per host)	10 (1 or 2 HBAs per host)
LUNs (virtual disks)	256	256
Snapshot LUNs	8	8
AX150s per host	4	4
Clustered hosts	4 nodes	8 nodes

### Drive Interface

	250-GB SATA II	500-GB SATA II
Formatted capacity (520 bytes/sector)	233 GB	465 GB
Form factor	3.5"	3.5"
Height	1.0"	1.0"
Rotational speed	7,200 rpm	7,200 rpm
Interface	1.5 Gbps Serial ATA II	3.0 Gbps Serial ATA II
Data buffer	16 MB	16 MB
Transfer rates (controller to/from buffer)	150 Mbps (max.)	300 Mbps (max.)
Access time (average seek)	9.0 ms read	8.2 ms read
Rotational latency	4.17 ms	4.17 ms

### Dimensions (approximate)

Rack-mount Chassis for Single-Controller Array with Battery-backed Cache

Height	Width	Depth	Weight
3.415 in. (8.68 cm), 2 EIA units	17.72 in. (45.0 cm)	24.5 in. (62.3 cm)	48 lbs. (21.82 kg) max.

Rack-mount Chassis for Dual-Controller Array with UPS

Height	Width	Depth	Weight
5.165 in. (13.12 cm), 3 EIA units	17.72 in. (45.0 cm)	24.5 in. (62.3 cm)	98.3 lb. (44.59 kg) max.

### Array Scalability and RAID Levels

- Single or dual (active/active) controllers; each controller connects to all disk drives
- Up to twelve hot-swappable 250-GB or 500-GB SATA II drives, providing 750 GB to 6 TB of raw capacity
- Configurable global hot spare drive
- RAID 5: independent data access on 3 to 12 drives (with striped parity)
- RAID 1/0: data mirrored, then striped across 2 to 12 drives

### AC Power Capability

- 40UCabinet(optional)
- DualInlets
- NEMAL6-30PorIEC309-332P6orAustralia(Clipsal56PA332)
- 200240VAC+/-10%,SinglePhase
- 4763Hz
- 4,800VA@200V,5,760VA@240V
- 30A,2-polecircuitbreaker

### Operating Environment

- Temperature50104degreesF(104degreesC)
- Temperature Gradient:10degreesC/hr
- Relative Humidity:20%to80%(non-condensing)
- Altitude
  - 8,000ft.(2438.4m)@104degreesF(40degreesC)max.
  - 10,000ft.(3048m)@98.6degreesF(37degreesC)max.

### Electromagnetic Emissions and Immunity

- FCCClassAEN55022ClassA
- CEMark VCCI Class A (for Japan)
- ICES-003 Class A (for Canada) AS/NZS3548 ClassA (for Australia/New Zealand)
- EN55024 Immunity, ITEBSMI ClassA (for Taiwan)

### Quality and Safety Standards

- UL1950; CSAC22.2-950; EN60950
- Manufactured under an ISO9000-registered quality system

### Power

	Single-Controller Chassis	Dual-Controller Chassis
Power supplies per array	1 (optional second)	2
Frequency	4763Hz	4763Hz
AC Voltage	90264Vrms, singlephase	90264Vrms, singlephase
Power Factor	.96 (typ.)	.96 (typ.)
Power consumption (maximum)	275VA, 250W	360VA, 326W
Heat Dissipation (maximum)	850 Btu/hour	1,110 Btu/hour
Protection	10A,internallyfused	10A,internallyfused(eachsupply)
Power Supply	Single external AC circuit (optional redundant circuits)	Redundant external AC circuits
Inlet Type	Single inlet IE320-C14 appliance coupler	Dualinlet IE320-C14 appliance coupler



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