

VoIPack ACS2012 Specification Sheet

Simple. Fast. Affordable.

VoIPack ACS2012 Specifications	
Chassis Overview	
Chassis format	All-in-one: dual controllers, internal drive bays, networking and with expansion options
Rack size	2U
Controllers	2 hot-swappable per chassis (dual-active) Single/dual controller support for 2U models
Processor	Intel® Xeon Processor
Internal Storage	12 x 3.5" drive bays (2.5" drive carriers supported)
System Memory Per Ctrl	8GB for controller and 16GB for cache (24GB total)
Expansion Capacity	
Expansion Enclosures	ACS2012-E: 12 x 3.5" drive bays (12Gb SAS) ACS2084-E: 84 x 3.5" drive bays (12Gb SAS)
Drive Count	ACS2012 + 9x ACS2012-E: 2/120 (2PB) ACS2012 + 3x ACS2084-E: 2/264 (4.6PB)
Max Raw Capacity Per Base	ACS2012: Up to 216TB

Network, Expansion Enclosure and I/O	
Host Interface	FC, iSCSI (optical or BaseT), SAS
Max 32Gb FC Ports	8 per array (support auto-negotiate to 16Gb)
Max 25Gb iSCSI Ports	8 SFP+ or SFP28 ports per array
Max 10Gb iSCSI Ports	8 BaseT ports per array (only support auto negotiate to 1Gb)
Max 12Gb SAS Ports	8 12Gb SAS ports
Max management Ports	2 per array (1Gb BASE-T)
Disk expansion Protocol	12Gb SAS
Disk InterfACS Expansion Ports	2 x 12Gb SAS (wide-Port) per array (1 port per controller) Up to 9 2U expansion enclosures per 2U base array Up to 3 5U expansion enclosures per 2U base array
Functional	
Array Configurations	All-flash, hybrid flash, HDD only arrays
Storage Format	Native block-level SAN or DAS
Data Optimization	
RAID Support	RAID 1, 5, 6, 10, or AEC; any combination of RAID levels can exist in single array
AEC	Advanced erasure coding that reduces rebuild times when drive failures occur
Data Mobility and Migration	
Replication	Asynchronous replication via FC or iSCSI. Target/ source relationships may be one-to-many or many-to-one

Management	
Management Support	VolPack Manager HTML5 GUI element manager, CLI, OpenManage Enterprise 3.9
Scripting	CLI API Redfish/Swordfish REST API
Supported Host OS	Windows 2022, 2019 and 2016 RHEL 9.2, 8.8, 8.2 and 7.8 SLES 15.2 and 12.5 VMware 8.0 U1, 7.0 and 6.7 Citrix XenServer 8.x and 7.x
ACS2012 Physical Base System	
Rack Size	2U
Dimensions & Weight	8.79 cm (3.46 inches) x 48.30 cm (19.01 inches) x 61.87cm (24.36 inches) ; max configuration: 32.00 kg (71.00 lbs) , 4.80 kg (10.56 lbs) without drives
Physical Expansion Enclosure	
Rack Size	ACS2012-E (2U) ACS2084-E (5U)
Expansion Height	ACS2012-E: 8.79 cm (3.46 inches) ACS2084-E: 22.23 cm (8.75 inches)
Expansion Width	ACS2012-E: 48.30 cm (19.01 inches) ACS2084-E: 48.30 cm (19.01 inches)
Expansion Depth	ACS2012-E: 60.29 cm (23.74 inches) ACS2084-E: 97.47 cm (38.31 inches)
Weight (Max Configuration)	ACS2012-E: 28.00 kg (62.00 lbs) ACS2084-E: 130.00 kg (287.00 lbs)
Weight (Empty)	ACS2012-E: 4.80 kg (10.56 lbs) without drives ACS2084-E: 64.00 kg (141.00 lbs) without drives

Base System Power	
Power/wattage	ACS2012: 580W
Heat Dissipation	ACS2012: 1980 BTU
Voltage	ACS2012: 100-240 VAC
Frequency	50/60 Hz
Amperage	ACS2012: 7.6-3.0A (x2)
Expansion Power	
Power/wattage	ACS2012-E: 580W ACS2084-E: 2200W
Heat Dissipation	ACS2012-E: 1980 BTU ACS2084-E: 7507 BTU
Voltage	ACS2012-E: 100-240 VAC ACS2084-E: 200-240 VAC
Frequency	50/60 Hz
Amperage	ACS2012-E: 7.6-3.0A (x2) ACS2084-E: 11.07-9.23A(x2)
Environmental Operating Conditions	
Operating Temperature	5°C - 35°C (41°F - 95°F, derated by 1°C per 300mm above 900m)
Non-Operating Temperature	-40°C to 70°C (-40 to 158°F) Maximum temperature changes in an hour: 20°C
Operating Humidity Ranges (Non-Condensing)	-12C dew point minimum, 8% to 85% maximum, non-condensing
Non-Operating Humidity (Non- Condensing)	21°C dew point maximum, 5% to 100% maximum, non-condensing
Service & Warranty	
Services	This product comes with 8x5 business hour technical support and a three-year comprehensive warranty, ensuring hassle-free operation of your device.