IP100 NAS/iSCSI Tower



Features

NAS/iSCSI functionality with ten SATA disks support

Support RAID levels 0, 1, 5, 6 with Email Notification

4x 1Gbps GbE host bandwidth, with 2x 3Gbps eSATA expansion

Web based Storage Management GUI for instant access

Hardware monitoring over ethernet for drive, CPU, RAID, etc.

Event Notification through SNMP





Dimensions (W x D x H)

mm: 177 x 311 x 457 inches: 7 x 12 x 18

IP100 series NAS/iSCSI tower offers both NAS & iSCSI hybrid functionalities in a single system, providing users unparalleled flexibility by centralizing both file and block-level storage through IP network.

Based on the 45nm Next-Generation Intel® Atom™ Microarchitecture, AIC's IP100 series NAS/iSCSI RAID tower is a cost effective and power efficient IP-storage solution with targeted performance and low power consumption.

Unified File and Block-level Storage

- Support NAS and iSCSI functionality in a single system.
- IP based storage management combines NAS & iSCSI functionality for centralized storage and storage consolidation.

Cost Effective & Environmental Friendly

- File sharing, backup & recovery, storage consolidation, disaster recovery.
- Remote replication at block or volume level enables cost-effective disaster recovery.
- Power-efficient solution with Intel® Atom™ processor the world's smallest size and lowest power processor.

Ease of Management

- Web based Graphical User Interface (GUI) provides a centralized view of all data under management, adding efficiency and security over the web.
- Hardware monitoring over Gigabit Ethernet, for disk drives, CPU, memory, and more.

Flexibility and Reliability

- Heterogeneous support for a broad range of network environment and protocols allowing data to be easily shared among different platforms.
- Reliable disk based backup and recovery, along with Snapshot capability enable fast and reliable backup and restore.













SPECIFICATIONS

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RAID Engine Open-E® DSS Software RAID Storage Processor Dual Core Intel® Atom™ Processor 330 1.80 GHz, 533 MHz FSB, 1M Cache Hybrid Technology NAS/ISCSI Expansion Interface Quad GbE ports Expansion Interface 12 x 6371A Memony 13 G DDR2 533/667MHz SO-DIMM up to 4GB (2 x 2GB) Drive Support 10 x 3.5° SATA FUNCTIONALITY NAS Features Window Active Directory / Primary Domain Controller , Support for Network Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group D Synthorization, File System with Journaling Support, User and Group Countrol Control ISCSI Features PADMINISTRATION / MONITORING Graphical User Interface Web-based Monitoring Hardware, SNMP (v2, v3), Email Notification, Log Function MANAGEMENT Network Management DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, ISC Interface Support (2TB Physical & Logical, 16TB Laggeal) Multiple Support (2TB Physical & Logical, 16TB L						
Hybrid Technology NAS/ISCSI Host Interface Quad GbE ports Expansion Interface All GDR2 533/667MHz SO-DIMM up to 4GB (2 x 2GB) Drive Support 10 x 3.5° SATA FUNCTIONALITY Window Active Directory / Primary Domain Controller , Support for Network Information Service (NIS), Internal and External LDAP ADS & NIS User / Group ID Synchronization, File System with Journaling Support, User and Group Quota Control ISCSI Features PAddress restriction for a Target, CHAP user Management, MPIO Support ADMINISTRATION / MONITORING Graphical User Interface Web-based Monitoring Hardware, SNMP (v2, v3), Email Notification, Log Function MANAGEMENT Network Management DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Software ISCSI Initiator, Software RAID 0, 1, 5, 6 with Email Notification, Support for Orline Logical Volume Expansion, Support for Orline Logical Volume Expansion, Volume Replication OS SUPPORT Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol EECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input Universal A/C Input W PSU, wio Disks 13.8kg / 30.36lbs Packaging Dimension (Wx D x H) mm 270 x 410 x 595 Cubic Feet 2.3 401 Hardware, SAMP (v2 v3), Email Notification, Log Function MACT = 200 410 Reference Container Loading	RAID Engine	RAID Engine		Open-E® DSS Software RAID		
Host Interface Quad GbE ports Expansion Interface 2x eSATA Memory 1G DRZ 533/667MHz SO-DIMM up to 4GB (2 x 2GB) Drive Support 10 x 3.5" SATA FUNCTIONALITY NAS Features Window Active Directory / Primary Domain Controller , Support for Network Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group 10 Synchronization, File System with Journaling Support, User and Group Quota Control ISCSI Features IP Address restriction for a Target. CHAP user Management, MPIO Support ADMINISTRATION / MONITORING Graphical User Interface Web-based Monitoring Hardware, SNMP (v2, v3), Email Notification, Log Function MANAGEMENT DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (Including Adapter Fault Tolerance), Proxy, Setting, IP-sec, Jumbo Frame Support Software ISCSI Initiator, Software RAID 0, 1, 5, 6 with Email Notification, Volume Support (2TB Physical & Logical) Multiple Snapshot, Multiple Logical Volume & Groupe, Online Logical Volume Replication OS SUPPORT Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Retwork Clients Microsoft Windows, Unix, Linux, Mac OSX Microsoft Windows, Unix, Linux, M	Storage Processor			Dual Core Intel® Atom™ Processor 330 1.60 GHz, 533 MHz FSB, 1M Cache		
Expansion Interface	Hybrid Technology			NAS/iSCSI		
Memory 16 DDR2 533/667MHz SO-DIMM up to 4GB (2 x 2GB) Drive Support 10 x 3.5° SATA FUNCTIONALITY NAS Features Window Active Directory / Primary Domain Controller , Support for Network Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group D Synchronization, File System with Journaling Support, User and Group Quote Control ISCSI Features PAddress restriction for a Target, CHAP user Management, MPIO Support ADMINISTRATION / MONITORING Graphical User Interface Web-based Web-	Host Interface			Quad GbE ports		
Drive Support 10 x 3.5° SATA FUNCTIONALITY NAS Features Window Active Directory / Primary Domain Controller , Support for Network Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group in Synchronization, File System with Journaling Support, User and Group Cuota Control ISCSI Features PAddress restriction for a Target. CHAP user Management, MPIO Support ADMINISTRATION / MONITORING Graphical User Interface Web-based Monitoring Hardware, SMMP (v2, v3), Email Notification, Log Function MANAGEMENT Network Management DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Storrage Management Storrage Management Support (2TP Physical & Logical 16TB Logical) Multiple Snapshot, Multiple Logical Volume Expansion, Volume Expansion, Support for Online Logical Volume Expansion, Volume Replication OS SUPPORT Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight w/PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 40' 410 Reference Container Loading 40' 840	Expansion Interface			2x eSATA		
FUNCTIONALITY NAS Features Window Active Directory / Primary Domain Controller , Support for Network Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group ID Synchronization, File System with Journaling Support, User and Group Quota Control IP Address restriction for a Target, CHAP user Management, MPIO Support ADMINISTRATION / MONITORING	Memory			1G DDR2 533/667MHz SO-DIMM up to 4GB (2 x 2GB)		
Window Active Directory / Primary Domain Controller , Support for Network Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group ID Synchronization, File System with Journaling Support, User and Group Quota Control ISCSI Features	Drive Support			10 x 3.5" SATA		
Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group ID Synchronization, File System with Journaling Support, User and Group Quota Control ISCSI Features IP Address restriction for a Target, CHAP user Management, MPIO Support ADMINISTRATION / MONITORING Graphical User Interface Web-based Monitoring Hardware, SNMP (v2, v3), Email Notification, Log Function MANAGEMENT Network Management DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Storage Management Storage Management Storage Management Microsoft Windows, Unix, Linux, Mac OSX Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight W PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 23 Reference Container Loading Information Support Supported Network Loading Information Support ADMINISTRATION Internal Topical Volume Expansion, Volume Replication IP Address restriction for a Target, CHAP user Management, MPIO Support IP Address restriction for a Target, CHAP user Management, MPIO Support IP Address restriction for a Target, CHAP user Management, MPIO Support IP Address restriction for a Target, CHAP user Management, MPIO Support IP Address restriction for a Target, CHAP user Management, MPIO Support IP Address restriction for a Target, CHAP user Management, MPIO Support IP Address restriction for Adapter Fault Tolerance, Proximal Notification, Log Graph of Support IP Address restriction for Adapter Fault Tolerance, Proximal Notification, Log Graph of Support IP Address restriction for Adapter Fault Tolerance, Proximal Notification, Log Graph of Support IP Address res	FUNCTIONALITY					
ADMINISTRATION / MONITORING Graphical User Interface Web-based Monitoring Hardware, SNMP (v2, v3), Email Notification, Log Function MANAGEMENT Network Management DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Storage Management Software ISCSI Initiator, Software RAID 0, 1, 5, 6 with Email Notification, Volume Support (2TB Physical & Logical, 16TB Logical) Multiple Snapshot, Multiple Logical Volume & Groups, Online Logical Volume Expansion, Support of Online Logical Volume Expansion, Volume Replication OS SUPPORT Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight W PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 Reference Container Loading 40' 840	NAS Features			Information Service (NIS), Internal and External LDAP, ADS & NIS User / Group ID Synchronization, File System with Journaling Support, User and		
Monitoring	iSCSI Features					
MANAGEMENT Network Management DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Software ISCSI Initiator, Software RAID 0, 1, 5, 6 with Email Notification, Volume Support (2TB Physical & Logical, 16TB Logical) Multiple Snapshot, Multiple Logical Volume & Groups, Online Logical Volume Expansion, Support for Online Logical Volume Expansion, Volume Replication OS SUPPORT Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight w/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 40' 410 Reference Container Loading	ADMINISTRATION / N	MONITORIN	1G			
MANAGEMENT DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Software ISCSI Initiator, Software RAID 0, 1, 5, 6 with Email Notification, Volume Support (2TB Physical & Logical, 16TB Logical) Multiple Snapshot, Multiple Logical Volume & Groups, Online Logical Volume Expansion, Support for Online Logical Volume Expansion, Volume Replication OS SUPPORT Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight w/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 40' 410 Reference Container Loading	Graphical User Interface			Web-based		
DHCP Client, Multiple Network, Interface Card Support, Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Software ISCSI Initiator, Software RAID 0, 1, 5, 6 with Email Notification, Volume Support (2TB Physical & Logical) Multiple Snapshot, Multiple Logical Volume & Groups, Online Logical Volume Expansion, Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight W/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 40' 40' 840	Monitoring			Hardware, SNMP (v2, v3), Email Notification, Log Function		
Network Management Teaming/Bonding (including Adapter Fault Tolerance), Proxy Setting, IP-sec, Jumbo Frame Support Software ISCSI Initiator, Software RAID 0, 1, 5, 6 with Email Notification, Volume Support (2TB Physical & Logical) Multiple Snapshot, Multiple	MANAGEMENT					
Storage Management Volume Support (2TB Physical & Logical, 16TB Logical) Multiple Snapshot, Multiple Logical Volume Expansion, Support for Online Logical Volume Expansion, Support for Online Logical Volume Expansion, Volume Replication OS SUPPORT Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight W/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 20' 410 Reference Container Loading	Network Management			Teaming/Bonding (including Adapter Fault Tolerance),		
Supported Network Clients Microsoft Windows, Unix, Linux, Mac OSX Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight W/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 20' 410 Reference Container Loading	Storage Management			Volume Support (2TB Physical & Logical, 16TB Logical) Multiple Snapshot, Multiple Logical Volume & Groups, Online Logical Volume Expansion,		
Supported File Protocol SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4 ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight W/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 Reference Container Loading 40' 840	OS SUPPORT					
ELECTRICAL & ENVIRONMENTAL Power Supply 400W Single PFC Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight w/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 Reference Container Loading 40' 840	Supported Network Clients			Microsoft Windows, Unix, Linux, Mac OSX		
Power Supply	Supported File Protocol			SMB/CIFS, FTP, Secure FTP, HTTP, Apple Talk, NFS v2/v3/v4		
Universal A/C Input 100VAC ~ 240VAC PHYSICAL SPECIFICATION Gross Weight w/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 Reference Container Loading 40' 840	ELECTRICAL & ENV	IRONMENT	AL			
PHYSICAL SPECIFICATION Gross Weight w/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 Reference Container Loading 40' 840	Power Supply			400W Single PFC		
Gross Weight w/ PSU; w/o Disks 13.8kgs / 30.36lbs Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 Reference Container Loading 40' 840	Universal A/C Input			100VAC ~ 240VAC		
Packaging Dimension (W x D x H) mm 270 x 410 x 595 Cubic Feet 2.3 Reference Container Loading 40' 840	PHYSICAL SPECIFIC	ATION				
Cubic Feet 2.3 20' 410 Reference Container Loading 40' 840	Gross Weight	Gross Weight w/ PSU; w/o Disks		13.8kgs / 30.36lbs		
Reference Container Loading 20' 410 40' 840	Packaging Dimension (W x D	x H)	mm	270 x 410 x 595		
Reference Container Loading 40' 840	Cubic Feet			2.3		
	Reference Container Loading 40'		20'	410		
40' H 1010			40'	840		
			40' H	1010		

Ordering Information

Part Numbers	Descriptions
SSG-IPCA4G1-010-A1	NAS/iSCSI tower with 400W single power supply, 10x3.5 bays