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Advanced Industrial Computer, Inc.

IP100 series NAS/iSCSI Tower

Power Efficient, Cost Effective IP-Storage Solution

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.

KEY FEATURES & BENEFITS

- NAS/iSCSI functionality with five(5) and ten(10) 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



▲ 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.

▲ 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.

▲ 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.

▲ 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.

IP100 series



SPECIFICATIONS

Model Number	SSG-IPCA4G1-005	SSG-IPCA4G1-010
GENERAL		
RAID Engine	Open-E® DSS RAID	
Storage Processor	Dual Core Intel® Atom™ Processor 330 1.60 GHz, 533 MHz FSB, 1M Cache	
Hybrid Technology	NAS/ iSCSI	
Host Interface	Quad GbE ports	
Expansion Interface per controller	12x SATA (2x eSATA)	
Transfer Speed	4 x 1 Gbps	
Memory	1G DDR2 533/667MHz SO-DIMM up to 4GB	
Drive Support	5 x 3.5" SATA	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 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, 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 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	Single 270W with PFC	Single 400W with PFC
Universal A/C Input	100VAC ~ 240VAC	
PHYSICAL DIMENSION		
Dimension H x W x D	280 x 177 x 330 mm / 11 x 7 x 13 inches	458 x 177 x 330 mm / 18 x 7 x 13 inches
Weight	7.8 kgs / 17 lbs	13.6 kgs / 30 lbs
REGULATORY		
Emission & Safety	FCC / CE / UL	
Quality	ISO 9001 / 14000	
WARRANTY & SUPPORT		
Warranty	Three years	

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