PAIPER
LARGE STORAGE UNIT

- High-density package
- Hot-swappable components
- Flash disk resident OS for maximum reliability
- Active components accessible without removing chassis from rack
- Supports 10/100 Mbit network connections
- Best cost-to-storage ratio for enterprise-class storage
- Supports up to 4 Paiper737 platforms at best performance
- Integrated FPGA crypto engine for data encryption and protection
- Multiple R/W access supported in Raid 0, 1, 5, 6, Jbod configurations

The Paiper737LS Series Shared Storage Server is a high-density, cost-effective, NAS (Network Attached Storage) enterprise-class storage component for the Paiper737™ platform. It provides the high level of performance, reliability, and ease of service expected in streaming and broadcast operations.

All components can be easily removed for service without removing the chassis from the system rack. This includes each of the 15 individual disk drives, power supply and fan modules, and Gigabit network controller modules. An advenced DSP crypto module encrypt, decrypt and protect all managed and stored data to increase network security.

The Paiper737 Series also has built-in hub functionality and connectivity that enables up to four Paiper737™ multimedia platforms to be attached to the same shared storage system without quality or performance degrading. Raid configuration allow high performances and fault tolerance configuration. Paiper 737LS operative system is on flash memory disk, this prevent all external intrusion and maximize the performances.

737 LS

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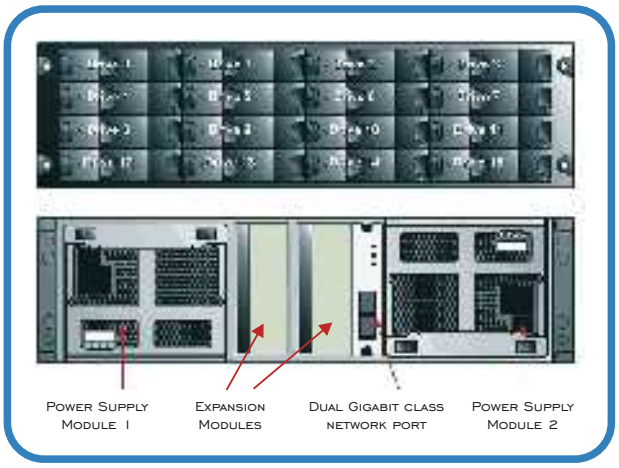
La Serie di Shared Storage Server Paiper737LS è una conveniente soluzione di archiviazione condivisa. Paiper737LS offre un alto livello di affidabilità, elevate performances e ridondanza delle componenti critiche. Tutti i componenti, inclusi gli alimentatori ed i 15 hard disk, possono essere sostituiti a caldo, senza interruzioni. I dati archiviati ed in transito possono essere protetti con avanzate funzioni di crittografia gestite da un potente processore FPGA.

Attraverso il collegamento Ethernet, il Paiper737LS garantisce l'accesso contemporaneo di più sistemi allo storage. In questo modo possono essere connesse ad un singolo Storage Server fino a quattro piattaforme multimediali Paiper737ED, senza alcun degrado delle prestazioni.



Paiper 737LS è la soluzione di storage condiviso ad alte prestazioni ideale per applicazioni in H.264 ed Mpeg4 di content distribution, video storage, broadcasting, insegnamento a distanza, videoconferenza ed in tutti gli scenari di applicazione dove sia richiesta alta capacita, velocità ed affidabilità.

SPECIFICATIONS

Dimensions	H 134mm, W 446mm, D 500mm
Weight	37kg (81lb) 40kg (88lb) max. configuration
AC Power	450W
Voltage Range	100-120 / 200-240 VAC
Voltage Selection	Automatic
Frequency	50-60 Hz
Inrush Current	50A @ 260VAC
Power Factor	>0.98
Harmonics	Meets EN61000-3-2
Safety	Compliance UL 1950 3rd Edition with SELV IEC 950 4th Edition EN 60950 3rd Edition with SELV EMC compliance GR-1089-CORE

ENVIRONMENT

Altitude, Oper.	0 to 3047 m (0 to 10,000ft)
Altitude, Non-Oper.	-305 to 12,192m (-1000 to 40,000ft)
Shock, Oper.	Vertical axis 5g peak 1/2 sine, 10ms
Shock, Non-Oper.	30g 10ms 1/2 sine
Vibration, Oper.	0.21grms 5-500 Hz Random
Vibration, Non-Oper.	1.04grms 2-200 Hz Random
Vibration, Relocation	0.3g 2-200 Hz sine
Acoustics	Less than 6.0 B LwA - operating at 20°C
Mounting	19" Rack mount (3EIA Units) • Rack Rails To fit 800mm depth Racks compliant with IEC 297 • Rack Characteristics Back pressure not exceeding 5 pascals (0.5mm water gauge)
Safety & Approvals	CE, UL, cUL, EMC EN55022 (CISPR- A), FCC A

STORAGE

Up to 15x 500 Gb* Hot Swap, Fault Tolerant
Raid Level: 0 (stripe), 1 (mirror), 5 (stripe/parity), 6 (stripe/dual parity)

NETWORK

Ethernet port, autosensing 10/100 Mbps

REALTIME FPGA CRYPTO ENGINE

384bit Blowfish algorithm, private key managment

MONITORING

Temperature
Advanced cooling modules and speed control
Power supply modules including analog voltage and current
Hard disk drives

CONTROL

Graphic WEB Interface
RS-232 Serial Port

* *optional feature*

PAIPER
Mail: info@paiper.it
WEB: www.paiper.it
www.medianetgroup.org
Paiper is a Medianet Group product