

Military Rugged NAS Storage

Model: SD-73RW



Highlights

- 6th Gen Intel Xeon E3-1505L Processor at 2.0GHz (Turbo 2.8GHz)
- Chipset (codename: Skylake)
- Up to 32GB dual channel ECC DDR4 at 2133 MHz
- Support up to 16TB Capacity
- Built-in 8 Port 10/100/1000 Mbps Switch (Option to 12 ports)
- Wide input power range +9V to +36V DC
- Built-in UPS function with SMART battery charging for uninterrupted power supply and battery backup functionality



The SD-73RNW NAS Storage solution is ideal for demanding applications in Military, Airborne, UAVs, Navy Communications, Armoured and Tracked Military Vehicles



SDK Embedded Systems Ltd. 11 HaHarash St., Southern Industrial zone Ashkelon 78783, Israel

Tel: +972-722-122-017 | Fax: +972-722-509-126 | Email: sales@sdksys.com

Specifications

Processor

- Intel Xeon E3-1505L Processor at 2.0GHz (Turbo 2.8GHz)

Memory

- Up to 32GB dual channel ECC DDR4 at 2133 MHz

Network interface

- 8 Port 10/100/1000 Mbps Switch (Option to 12 ports)
- Ethernet OAM, and performance monitoring.
- Web GUI or CLI Management x Gigabit Ethernet
- 10/100/1000 Auto-negotiation
- Layer 2 Switching
- 802.1Q VLAN switch with 8K MACs and 4K VLANs
- Push/pop up to two VLAN tags
- IPv4/IPv6 multicast
- Policing with storm control and MC/BC protection
- RSTP and MSTP support
- Link aggregation (IEEE 802.3ad)
- Independent and shared VLAN learning (IVL, SVL)
- Jumbo frame support
- L3 Switching IPv4 Unicast: RIPv1/RIPv2

Storage

- Support up to 16TB Capacity; Both SLC and MLC options available
- Removable SATA3 6Gb/s 2.5" Military grade SSD drives



Raid Controller

- LSI SAS3108 controller provides up to 12Gb/s data transfer
- Up to 1GB DDRIII 1833MHz cache (ECC DDR3 memory) that efficiently stores data in transition
- 8 internal ports
- Supported Devices SAS/SATA
- RAID Level Supported 0, 1, 10, 5, 50, 6, 60

Power Requirements:

- Wide range input +9V to +36V DC
- Reverse polarity protection
- Overload protection and transient voltage suppression
- Built-in UPS function with SMART Lithium battery 4 Li-Ion 18650 cells charging for uninterrupted power supply and battery backup functionality

Environmental

- Operating temperature: -30°C to +70°C
- Storage temperature : -40°C to 80°C
- Operational Altitude (20,000ft) MIL-STD-810G, Method 500.5, Procedure II.
- Humidity: MIL-STD-810G, Method 507.5, and Procedure II.
- Vibration: MIL-STD-810G method 514.6, procedure I.
- Mechanical Shock: MIL-STD-810G, Method 516.6 Procedure I & V.
- EMC /EMI : MIL-STD-461F

Mechanical

