

# 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



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# 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

