

DuraNAS 1000

Rugged Network Attached Storage



Highlights

- Ruggedized for harsh environments
- Up to 1 TB aggregated storage
- Raid 1 functionality (up to 500 GB)
- 10/100 Mbit Ethernet with POE (M12 connector)
- EN50155 fully qualified

Features

Built to last - The Dragontech DuraNAS is designed for rugged mass storage in ready-to-use IP-based NVR professional surveillance systems.

Resistant - The DuraNAS is designed to withstand mechanical, electrical and environmental stress encountered in harsh environments.

Wide operating temperature range - A wide operating temperature range ensures reliable operation. DuraNAS 1000 can operate from -25°C to +55°C (-13°F to +131°F) continuous and up to +70°C (+185°F) for 10 minutes (EN50155 T1).

Compliance - The NAS system is fully compliant with EN 50155 (Railway installations)

POE - The Rugged DuraNAS is designed to be powered over Ethernet using POE standard connection.

Quick and easy setup - By using a DHCP client interface and configuration utility software over Ethernet, installation is quick and easy.



Applications

- Public Transportation
- Security & Surveillance
- Homeland Security
- Defense

The DuraNAS 1000 provides reliable high capacity Network Attached Storage (NAS) to IP-based systems installed on rolling stocks as well as in all the applications where a rugged device designed for harsh environment is required.

The DuraNAS 1000 is ideally suitable for the storage of critical information such as operative, diagnostics or video surveillance or inforainment media data.

The DuraNAS 1000 is a network device which can be accessed from anywhere the network is accessible, even from remote locations.

An Ethernet interface to mass storage is a reliable interconnection technology in harsh environment applications where EMC and immunity to electromagnetic interferences are key requirements. Long cables are supported and the inherent insulation of Ethernet increases the operational reliability of the DuraNAS 1000 compared to other technologies such as USB 2.0.

A high-performance NAS controller chip is used to bridge two 2.5" form factor SATA HDDs to a 10/100Mbit Ethernet interface.

Extensive measures have been taken to ensure reliable operation under all conditions and compatibility with internationally respected standards. The sealed Ethernet I/O connector, a Power Over Ethernet (POE) power supply and a compact rugged mechanical enclosure increase field reliability.

The Dragontech NAS is intended to be used together with an onboard computer such as the QUASAR or an HMI such as the DG-HMI10-10 for mass storage. The NAS 1000 can be live-removed and live-connected to the network making service and data removal easy. The onboard systems do not need to be restarted.

DuraNAS 1000

Specifications



STORAGE CAPACITY	HDD: 100GB in Raid 1 or 200 GB aggregated 500GB in Raid 1 or 1 TB aggregated SSD: 128GB in Raid 1 or 256 GB aggregated
HOST INTERFACE	10/100Mbit Ethernet
LED INDICATORS	Ethernet link Ethernet activity SATA boot failure Early On Power on
POWER SUPPLY	Power-over-Ethernet Powered Device 37 – 57 VDC Power Classification: Class 0 (IEEE 802.3af compliant)
POWER CONSUMPTION	< 12W
DIMENSIONS	171 x 59.5 x 285 mm (W x H x L) version with mounting brackets 6.73" x 2.34" x 11.22"
WEIGHT	< 3 Kg (6.6 lbs)
OPERATING TEMPERATURE	NAS0200-00 : -25 to +55°C +70°C for 10 minutes; -13°F to +131°F +158°F for 10 minutes; NAS0256-00 : -25 to +55°C +70°C for 10 minutes; -13°F to +131°F +158°F for 10 minutes; NAS1000-00 : -10 to +55°C +70°C for 10 minutes +14°F to +131°C +158°F for 10 minutes
STORAGE TEMPERATURE	-40 to +85°C -40 to +185°F
HUMIDITY	95% relative humidity non condensing
ENVIRONMENTAL	IP 65 (NEMA 4X)
COMPLIANCE	EN 50155 (Railway applications) EN 61373 (Vibrations & Shocks) EN 60950 (Safety) EN 61000 (Immunity, Emission) EN 60068 (Environmental testing)
ORDER CODES	NAS-0200-0X: HDD 100GB in Raid 1 or 200 GB aggregated NAS-1000-0X: HDD 500GB in Raid 1 or 1 TB aggregated NAS-0256-0X: SSD 128GB in Raid 1 or 256 GB aggregated
Options	Key locked enclosure
Peripherals & Accessories	Cable M12 to M12 2m / 6.56 ft length Cable M12 to RJ45 2m / 6.56 ft length

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