



## Main Features

- 2 Gigabit Ethernet ports for data/power redundancy with PoE+
- Data protection in harsh environments
- Fully compliant with EN50155 (railway applications), EN61373 (vibrations & shocks)
- Wide temperature range support, -40°C ~ 70°C
- IP rating: IP 54 (NEMA)

## Product Overview

The iNAS330 is extremely rugged-design network-attached storage (NAS), which was designed to provide high performance, reliability storage in harsh environments. Equipped with SSD storage technology, it is able to record the data correctly in harsh environments, such as oil exploration, transportation, and Industrial automation..., etc.

Furthermore, it offers several data backup options. It supports FTP service and SMB/CIFS protocol for file sharing among cross-platforms.

Atlas OS™ provides real-time information, toolkit, widgets and easy mode of operation; software center provides more application extensions in the future, based on application requirements. iNAS330 also can be networking surveillance storage, with high-resolution camera, the file system could be used on video recording which supports RAID 5 and also that offers the better data protection.

The iNAS330 supports Power over Ethernet (PoE/PoE+) and follows the specifications in IEEE 802.3af/ IEEE 802.3at. It has dual PoE+ interface which supports power redundancy. The iNAS330 is a fanless but high efficient for thermolysis, dust- and water-protected IP 54-rated chassis.

## Specifications

### Hardware Features

- Computer
  - Processor: Dual Cortex®-A9 CPU
  - Storage: Up to 3 x 2.5" HDD/SSD (optional)

### Ethernet

- 2 x Gigabit LAN ports for data redundancy (M12)
- 1 x Gigabit LAN port for management (M12)

### Button

- Reset button: Reboot System/Reset to factory default

### LEDs

- Power LED: power On/Off
- System LED: system status
- PoE/Temp LED: PoE/Temp status
- HDD LED: HDD1, HDD2, HDD3 (read/write/fail)
- LAN LED: 10/100/1000M x3 (link/activity)

### Power Requirements

- Input: PoE (IEEE 802.3af), or PoE + (IEEE 802.3at)
- Power redundancy

### HS Control

- Smart heating system

### Physical Characteristics

- Fanless
- Housing: metal, IP 54 protection
- Mounting: wall mount (optional)

### Environmental Specification

- Operating temperature:
  - 40°C ~ +70°C (-40°F ~ +158°F) For SSD
  - 25°C ~ +55°C (-13°F ~ +131°F) For HDD
- Storage temperature: -40°C ~ 85°C (-40°F ~ 176°F)
- Humidity: 5% - 95%, non-condensing

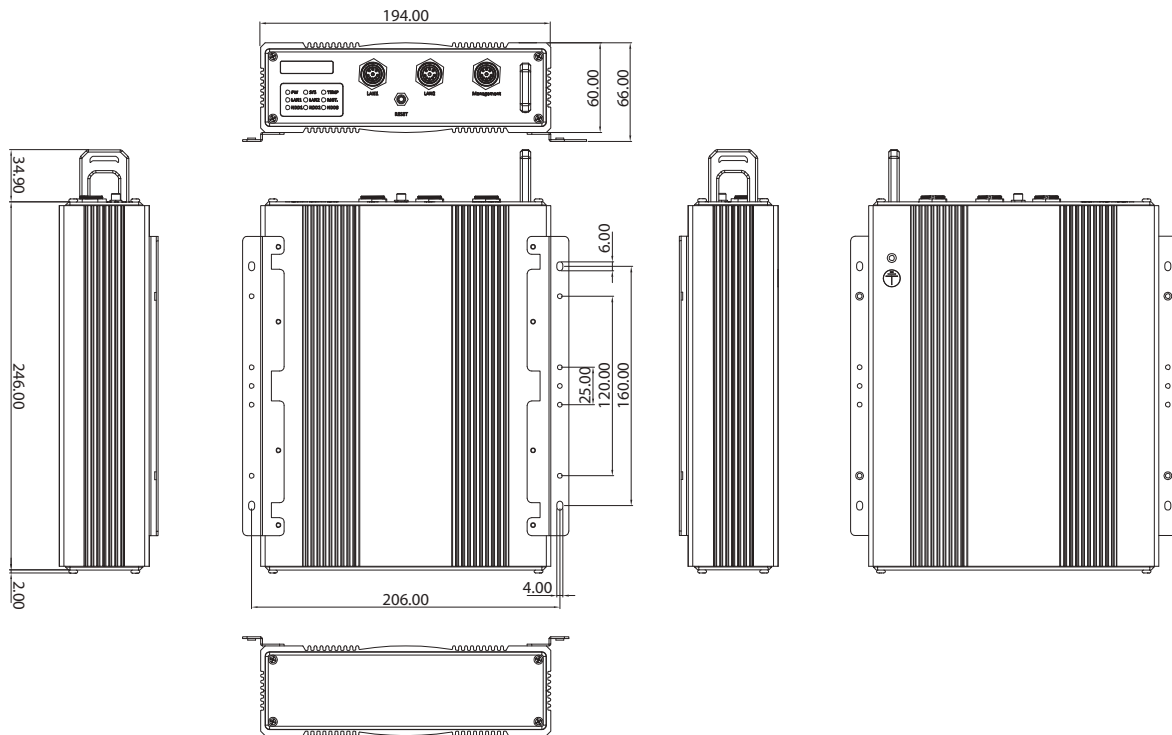
### Certifications

- FCC/CE
- RoHS/WEEE

### Compliance

- EN50155 (railway applications)
- IEC61373 (vibrations & Shocks)
- EN60950; EN61000 (immunity, emission)
- EN60068-2-30/IEC68-2-30 (environmental testing)

## Dimension Drawing



### Package Content

- iNAS 330 unit x 1
- QIG x 1
- CD x 1

### Optional Accessories

- Wall-mount-kit: 2 extra brackets and screws
- M12 cables: waterproof 8pin male M12 to RJ45 gigabit Ethernet cable, rated IP67

### System Dimensions

- 246mm (w) x 194mm (D) x 60mm (H) (9.69" x 7.64" x 2.36")

### Software Features

- OS: Atlas OS™
  - Web-based GUI (based on HTML5 and CSS3)
  - Centralized navigation panel and Dual-desktop system:
    - Navigation Panel: For system configurations, with some toolkits on the toolbar
    - Home: for applications operations
    - Dashboard: For widgets exhibition
- APPs
  - Storage Manager
  - RAID management (JBOD, RAID1, RAID 5)/Auto RAID rebuilding
  - Data Vault
  - Log Book
  - Software Center
- Widgets
  - System Guardian
  - Network Surveillance
- Configurations
  - Files and permissions
  - Network and connectivity
  - System and devices
- Toolkit
  - Profile: account management
  - Real-time notification
  - System information
  - Network status

### Client O.S. support

- Windows 7+, Windows Server 2003 R2, 2008, 2008 R2 & 2012 or later
- Linux & UNIX
- Mac OS X 10.7 or later

### Web Browsers Support

- Mozilla Firefox
- Mac Safari
- Google Chrome
- Opera

### Protocol

- HTTP/H - SAMBA 2 (CIFS), Open SSL (TLS), FTP / FTPS
- HTTP 1.1 / HTTPS
- IPv4, Link Aggregation, DHCP, NTP, HTTP Authentication
- RESTful API

## Ordering Information

- **iNAS330 (P/N: 101G0033000X0)**  
Rugged-design industry storage (3-years service & maintenance)

**OS: Atlas OS™**

- ♦ Web-based GUI (HTML5/CSS3)
- ♦ RESTful APIs
- ♦ A centralized navigation panel and dual desktops system
  - Navigation panel: For system configurations, with some toolkits on the toolbar
  - Home desktop: For applications operations
  - Dashboard: For widgets exhibition
- ♦ Extensible by package installations

**Default Installed Packages:**

Configuration	
File Sharing Services	CIFS/SMB 2, FTP/FTPS TLS 1.0/1.1/1.2
Users	
Network Settings	IPv4, DHCP, Link aggregation
Atlas Settings	HTTP/HTTPS 1.1, TLS 1.0/1.1/1.2
SNMP	v1/v2c, v3
Security	OpenSSL 1.0.2e
Locale Date/Time	RTC, NTP
Power Management	Wake-on-Lan, schedule on/off
System Recovery	
Toolkit	
Profile	Multiple languages
Notification	
Information	Model information, software version
Network	Interfaces connections
App	
Storage Manager	JBOD/RAID1/RAID5; ext4
Data Vault	Folder sharing: CIFS/FTP; File preview: Images
Log Book	
Software Center	
Widget	
System Guardian	
Network Surveillance	
Storage Care	