

GEN 5

Nemesis 800 Series



High performance cluster providing powerful hosting while maintaining maximum uptime. Perfect for very large systems.

Overview

ISAAC is a hosting platform that brings sensible IT concepts and technologies within the more conventional Audio Video workflow. Its ability to run multiple applications and operating systems inside the same physical unit creates an incredible opportunity for hardware consolidation and redundancy while favoring efficiency and sustainability. Its embedded software suite lets you effortlessly manage your AV system from one unified interface.

Nemesis 800 Series

Nemesis 800 Series is an enterprise-grade cluster that provides the highest performance for a diverse set of workloads. It allows for hosted systems to automatically recover in case of hardware failure, delivering an astonishing expected availability of 99.99%.

Nemesis 800 Series is a dual 2U rack mount server configuration with the optimum balance of resources to power the most demanding environments. Redundant power supply, raid configured storage, and out-of-band management controller card come standard on all configurations. High availability is maintained through the constant monitoring of the cluster by an ultra-compact industrial controller; the ISAAC Quorum Appliance.

Nemesis 800 Family

Nemesis 830 is designed to deliver the performance class of the previous Nemesis 820 while leveraging the latest generation ISAAC platform. Built on a

modern architecture that improves overall system throughput and bandwidth, Nemesis 830 also benefits from an increased core count, providing 20% more CPU resources. This makes it ideally suited for demanding control, AV, and hosted workloads where high availability, performance, and scalability are critical—such as individual attractions, campus monitoring systems, and medium-to-large entertainment environments.

Building on the same platform, Nemesis 832 adds redundant media storage capabilities to support content-intensive applications. With dedicated storage designed for media workflows, Nemesis 832 is a powerful solution for property-wide systems, museums, corporate campuses, and large media installations that require both robust compute performance and highly available centralized media storage within the ISAAC ecosystem.

Sustainability

With ISAAC, we are committed to providing more efficiency at all levels. Reducing the amount of physical infrastructure in use leads to savings in technical room floor space and power consumed. In addition, there is a commensurate reduction in cooling system power consumption and other ancillary technical room services that is proportional to the AV system's overall operational efficiency.

Nemesis 800 series and our platform underneath is proof of our dedication to environmental sustainability.



Hardware Consolidation



Scalability



Enterprise-Grade



High Availability



Data Recovery



IT Friendly



Platform Management



Worldwide Warranty



Highly Dependable



Deeply Integrated



Accessible from Anywhere



isaacplatform.com

info@isaacplatform.com

ISAAC Workspace

The Workspace is the one place to access the ISAAC tools and features but also your documentation, the setup and configuration pages of most devices, and even access the computers you need for programming and operation.

ISAAC Workspace is accessible from any device connected to your network using a standard web browser. Your entire workflow and experience is inside the native web app to simplify everything. Its flexibility and ease of use provide all the benefits you need to succeed.



Access Management



Content Management



ISAAC Connect



System Documentation



Scheduling



Alerts & Notifications



Infrastructure Monitoring



Panels

Configurations

Base Model

Nemesis 830

Nemesis 832

Hosting¹

6 VM

6 VM

High Availability

✓

✓

Order Reference

N830

N832

Hardware

4U Cluster
+ Quorum Appliance

4U Cluster
+ Quorum Appliance

CPU

24-Core

24-Core

RAM

64 GB

64 GB

Storage

1.92 TB
Redundant SSD

1.92 TB
Redundant SSD
24 TB
Redundant HDD

Network

4 x 1 GB
4 x 10 GB
2 x 25 GB SFP 28 Interconnect³

4 x 1 GB
4 x 10 GB
2 x 25 GB SFP 28 Interconnect³

Modules²

10

10

Users²

50

200

1. These are recommended values only. Results may vary depending on usage environment and hosted systems requirements. 2. Modules and Users license provided with the related model. Additional Modules and/or Users license can be added at time of order, or at any time in the future. 3. These ports are reserved for internal system use. The standard warranty is 3 years but can be extended to 5 years as part of the optional ISAAC Extended Coverage package.