GEN 4

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 820 is sized for up to 6 control, AV, or other solutions that utilize virtualization technology.

With dual high-performance CPU and extended Network connection, it is ideally suited for individual attractions, campus monitoring, medium entertainment facilities, and anywhere powerful hosting is required while maintaining maximum uptime.

Nemesis 822 can run up to 8 Virtual Machines and also provides a pool of media dedicated storage. It is powerful enough to support property-wide systems such as museums, family entertainment centers, corporate facilities, or large media installations.

Even more powerful, the new Nemesis 825 can run up to 12 Virtual Machines. With a staggering 100TB of usable media storage and double the SSD capacity, Nemesis 825 is here for the most demanding projects.

🌱 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

ISAAC®

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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
- ISAAC Connect
- Scheduling
- Infrastructure Monitoring
- Content Management
- System Documentation
- Alerts & Notifications
- Panels

Configurations

Base Model	Nemesis 820	Nemesis 822	Nemesis 825
Hosting[1]	**6 VM**	**8 VM**	**12 VM**
High Availability	✓	✓	✓
Order Reference	N820	N822	N825
Hardware	4U Cluster + Quorum Appliance	4U Cluster + Quorum Appliance	4U Cluster + Quorum Appliance
CPU	Dual 10-Core	Dual 16-Core	Dual 20-Core
RAM	64 GB	128 GB	192 GB
Storage	2 x 1.92 TB SSD	2 x 1.92 TB SSD 6 x 8 TB HDD	2 x 3.84 TB SSD 10 x 20 TB HDD
Network	2 x 1 GB 4 x 10GB 2 x 10/25GB SFP Interconnect[3]	2 x 1 GB 4 x 10GB 2 x 10/25GB SFP Interconnect[3]	2 x 1 GB 4 x 10GB 2 x 10/25GB SFP Interconnect[3]
Modules[2]	10	10	10
Users[2]	50	200	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.

ISAAC®

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