



EvertzAV's NUCLEUS is an AV over IP platform developed exclusively for enterprises looking for the highest in quality and reliability while maintaining a simplified user experience.

## Key Features

- Linux-based controller
- Enterprise-level security
- Robust network and DHCP configuration options
- Straightforward process for adding new, modifying existing, and deleting unused AV gateways
- Integrated services, logging, and diagnostics
- Manual and automatic backup functionality
- BYOD (Bring Your Own Device) web-based UI



## AV Over IP System Controller

The NUCLEUS Session Manager can be considered the core of the NUCLEUS platform. It is a fully-featured linux-based centralized management server used for the configuration, control, and orchestration of the UXP AV gateways. Three models of the NUCLEUS Session Manager are available to choose from, based on the size of deployment. The NUC-AV-10 supports up to 10 UXP AV gateways, the NUC-AV-100 supports up to 100 UXP AV gateways, and the NUC-AV-ENT supports 100+ UXP AV gateways.

## Simplified, No Nonsense User Experience

The NUCLEUS Session Manager UI has been developed and optimized so that Administrators don't have to fumble through multiple levels of pages and options to configure a simple setting. Even with its extensive feature set, the NUCLEUS Session Manager UI is straightforward and easy to use.

## No Fuss Setup, No Programming Required

The NUCLEUS platform operates on a simplified configuration framework allowing administrators the ability to set up a fully functional AV distribution network in no time at all. The process has been streamlined so that a UXP AV gateway can be taken out of the box, registered on the NUCLEUS Session Manager, and be put to use in less than five minutes. Whether big or small, deployments of all sizes are handled the same way, using the same consistent process.

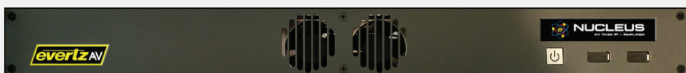
## Unparalleled Versatility and Scalability

The NUCLEUS platform is exceedingly scalable and can be integrated into your enterprise using your existing standard IT infrastructure/IP network. NUCLEUS supports 1GbE networks and provides the highest resolutions possible with unbeatable image quality at the lowest latencies. As you grow, NUCLEUS grows with you, without limitation. To connect additional rooms, simply add additional UXP AV gateways.

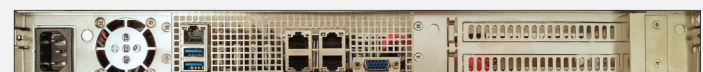
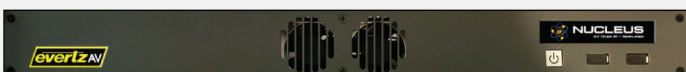
NUC-AV-10



NUC-AV-100



NUC-AV-ENT





## Specifications

	NUC-AV-10	NUC-AV-100	NUC-AV-ENT
# of Gateways Supported	Up to 10	Up to 100	100+
LAN	1 x 1Gb/s RJ45 port	2 x 1Gb/s RJ45 ports	2 x 1Gb/s RJ45 ports 2 x 10Gb/s RJ45 ports
USB	4 x USB 3.0	1 x USB 3.0 1 x USB 2.0	2 x USB 3.0
Video Outputs	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI 1 x DisplayPort	1 x VGA
LEDs	Power	Power	Power
System Cooling	N/A	3 x cooling fans	3 x cooling fans
Power Consumption	65W	250W	250W
Connector	19V power adapter included	IEC 60320	IEC 60320
Voltage	100-240V / 50-60Hz auto-ranging, 12- 19VDC	100-240V / 50-60Hz auto-ranging	100-240V / 50-60Hz auto-ranging
Operating Temperature	32° to 104° F (0° to 40° C)	50° to 95° F (10° to 35° C)	50° to 95° F (10° to 35° C)
Non-Operating Temperature	-4° to 140° F (-20° to 60° C)	-40° to 140° F (-40° to 60° C)	-40° to 140° F (-40° to 60° C)
Relative Humidity	8% to 80% (non-condensing)	8% to 80% (non-condensing)	8% to 80% (non-condensing)
Non-Operating Relative Humidity	20% to 95% non-condensing)	20% to 95% non-condensing)	20% to 95% non-condensing)
Rack Units	N/A (Standalone)	1RU	1RU
Dimensions (H x W x D)	4.37in x 4.53in x 2.01in (111mm x 115mm x 51mm)	1.75in x 17in x 10in (44.5mm x 431.8mm x 254mm)	1.75in x 17in x 10in (44.5mm x 431.8mm x 254mm)

## Ordering Information

NUC-AV-10	Standalone small form factor hardware plus NUCLEUS Session Manager software (support for up to 10 UXP AV gateways)
NUC-AV-100	1RU hardware plus NUCLEUS Session Manager software (support for up to 100 UXP AV gateways)
NUC-AV-ENT	1RU hardware plus NUCLEUS Session Manager software (support for 100+ UXP AV gateways)

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