Grass Valley

DATASHEET

AMPP EDGE LIVE

Professional Production Capabilities Without the Complexity

AMPP Edge Live is a purpose-built production system that combines Grass Valley® modular signal connectivity, professional NVIDIA Blackwell GPU acceleration and unified Grass Valley lifecycle ownership in a single solution. Designed for organizations that want powerful production capabilities without building and maintaining complex infrastructure, it provides the foundation for AMPP® OS-based applications including production switching, replay, graphics, monitoring, automation and AI-enabled workflows.

Why Organizations Choose AMPP Edge Live

Video has become central to how organizations educate, inform, engage and connect with their audiences. Whether supporting a university, government agency, house of worship, corporate media team, venue or broadcaster, production requirements continue to grow while resources often remain limited.

AMPP Edge Live removes much of the complexity traditionally associated with deploying high-performance production systems. Teams gain access to professional production capabilities through a solution designed, validated and supported as a complete system by Grass Valley.

Designed for Small Teams with Big Expectations

Many organizations require professional production capabilities without maintaining large technical teams.

AMPP Edge Live simplifies deployment and ongoing operation through a unified ownership model. Hardware validation, software compatibility, updates and support are managed by Grass Valley as part of a complete solution.

The result is a production system that is easier to deploy, easier to support and easier to operate than traditional multi-vendor environments.

Key Benefits

- Deploy production capabilities faster
- Reduce infrastructure integration complexity
- Simplify long-term support and maintenance
- Scale capabilities as requirements evolve
- Support modern AI-enabled workflows
- Focus on content creation rather than infrastructure management

Key Features

- Purpose-built production system
- Modular AMPP I/O architecture
- Mix-and-match signal connectivity
- NVIDIA Blackwell GPU acceleration
- Support for AMPP OS-based applications
- Unified lifecycle ownership
- Short-depth 4 RU chassis
- Redundant power supplies
- Ubuntu 24.04 LTS environment
- Flexible deployment options

Choose your options:

Appliance

- AMPP Edge Live 4000
- AMPP Edge Live 4000D
- AMPP Edge Live 6000

I/O Options

- 8 SDI channels for production and processing workflows
- 12 SDI channels for higher-density deployments

Optional Media Storage

- 2 TB SSD
- 4 TB SSD

Enterprise-Class Hardware Architecture

AMPP Edge Live combines an Intel Xeon 600 Series processor, 128 GB of DDR5 memory and professional NVIDIA RTX 4000 or RTX 6000 GPUs in a balanced architecture optimized for production workloads. High-speed SSD media storage options of 2 TB or 4 TB provide responsive local storage for applications and services. Together, these resources provide the performance required to run multiple AMPP OS-based applications simultaneously, supporting production switching, replay, graphics, monitoring, automation and AI-enabled workflows from a single system.

Modular Connectivity with AMPP I/O

Every production environment has different connectivity requirements. AMPP Edge Live uses modular AMPP I/O cards to allow organizations to tailor signal connectivity to their workflow requirements while maintaining a common system architecture.

Available connectivity options include:

AMPP I/O Card	Purpose
SDI 8	Eight SDI channels for production and processing workflows
SDI 12	Twelve SDI channels for higher-density deployments

Cards can be mixed and matched within the same system, providing flexibility without increasing operational complexity.

Media Storage

AMPP Edge Live has two rear-accessible 2.5-inch SSD slots, which can be populated with our media storage drives — choose from drive sizes of 2 TB or 4 TB. This allows for expandability and to take your media with you after your production ends.

Comparison Guide

Feature	AMPP-G26-L4000	AMPP-G26-L4000D	AMPP-G26-L6000
Product Name	AMPP Edge Live 4000	AMPP Edge Live 4000D	AMPP Edge Live 6000
Form Factor	Short-depth 4 RU		
Processor	Intel Xeon 600 Series		
Memory	128 GB DDR5	128 GB DDR5	128 GB DDR5
GPU	1x NVIDIA RTX 4000	2x NVIDIA RTX 4000	1x NVIDIA RTX PRO 6000 Max-Q
AMPP I/O Card Slots	Up to 2		
Media Storage	Optional		
Media Storage Bays	2 rear SSD slots		

Built for AMPP OS

AMPP Edge Live is designed specifically to run AMPP OS-based applications and services. AMPP OS enables organizations to deploy production capabilities as software through a consistent operational framework, simplifying deployment, updates and long-term management. New applications and services can be introduced without redesigning the underlying system architecture, allowing systems to evolve alongside operational requirements. Enterprise-grade security, centralized management and role-based access controls help protect critical workflows while reducing operational complexity for smaller teams.

A Production System That Adapts to Your Needs

Organizations in education, government, houses of worship, corporate communications, live events and media production require flexibility. Production requirements vary over time, audiences evolve and new opportunities emerge. A system that is optimized for only one workflow can quickly become a limitation. AMPP Edge Live is designed to provide the flexibility these organizations need.

Rather than committing resources to dedicated systems for switching, graphics, replay, streaming, monitoring or future production requirements, organizations can build around a common production system that adapts through software. New capabilities can be added as operational needs evolve, while existing services can be expanded, reduced or repurposed without replacing the underlying system.

This flexibility allows organizations to respond quickly to changing requirements while protecting long-term investments. Whether supporting a focused production workflow today or a broader range of services tomorrow, AMPP Edge Live provides a foundation that grows alongside the organization and the audiences it serves.

From Simple Productions to Complete Production Environments

The true value of AMPP Edge Live is not the hardware itself, it is the range of production capabilities that the system can enable. A single AMPP Edge Live system can support multiple production workflows from a common platform. As operational needs evolve, new capabilities can be introduced without redesigning the underlying system.

AMPP Edge Live 4000 is an excellent fit for organizations focused on live event production. It provides the performance required to run solutions such as Event Producer X, which combines production switching, graphics, audio mixing, recording, streaming, monitoring and production control into a single browser-based user experience. Capabilities that traditionally required multiple dedicated systems are brought together into one intuitive interface. Users can operate the system from any modern browser and add dedicated hardware control panels when preferred. The result is a powerful and cost-effective production environment for educational content creation, corporate communications, houses of worship, live events and many other production workflows.

Event Producer X

Sport Producer X

For organizations with more demanding production requirements, AMPP Edge Live 6000 provides additional processing performance and capacity. This makes it an ideal platform for advanced solutions such as Sport Producer X. Designed specifically for sports production, Sport Producer X combines production switching, graphics, scoring, timing, data integration and instant replay workflows within a unified operational environment. Operators work from a single workflow instead of coordinating multiple specialist systems. When paired with Instant Replay capabilities, AMPP Edge Live 6000 enables smaller teams to produce compelling sports coverage with the speed, responsiveness and production value expected by modern audiences.

These solutions represent only a few examples of what AMPP Edge Live can support. Through the growing ecosystem of AMPP OS applications, organizations can deploy the capabilities they need today and continue expanding as new opportunities emerge.

The AMPP Edge Live Advantage

AMPP Edge Live is the ideal production system for organizations that require professional production capabilities, operational flexibility and long-term adaptability in a single solution. Combining modular connectivity, powerful processing performance, AMPP OS flexibility and unified Grass Valley lifecycle ownership, it enables a wide range of production solutions while remaining simple to deploy, operate and expand.

Whether supporting a single workflow today or a broad range of production capabilities tomorrow, AMPP Edge Live provides the flexibility modern organizations require while helping ensure they remain ready for changing operational needs. New capabilities can be added as requirements evolve, allowing organizations to adapt their production environment without redesigning the underlying system.

The result is a powerful production system that adapts to changing requirements, protects technology investments and allows teams to focus on creating content rather than managing infrastructure.

Part of the Grass Valley Media Universe

AMPP Edge Live forms part of the Grass Valley Media Universe, providing a common foundation for AMPP OS-based applications and services across on-prem, hybrid and cloud-connected workflows.

By combining modular connectivity, professional processing performance and operational simplicity, AMPP Edge Live helps organizations build production environments that support captivating storytelling, operational flexibility and business agility.

Specifications

Form factor: Short-depth 4 RU
GPU architecture: NVIDIA Blackwell
GPU options: NVIDIA RTX 4000 / RTX 6000

Connectivity: AMPP I/O cards
I/O options: SDI 8, SDI 12
Operating system: Ubuntu 24.04 LTS

Power supplies: Redundant
Application support: AMPP OS-based applications
Dimensions: 440 mm (W) x 176 mm (H) x 468 mm (D) (17.32 x 6.93 x 18.43 in.)

Ordering

AMPP Edge Live Appliances

AMPP-G26-L4000

AMPP Edge Live 4 RU appliance with NVIDIA RTX Pro 4000 GPU. Includes slots for AMPP I/O Cards purchased separately.

AMPP-G26-L4000D

AMPP Edge Live 4 RU appliance with dual NVIDIA RTX Pro 4000 GPUs. Includes slots for AMPP I/O cards purchased separately.

AMPP-G26-L6000

AMPP Edge Live 4 RU appliance with NVIDIA RTX Pro 6000 MaxQ GPU. Includes slots for AMPP I/O cards purchased separately.

AMPP I/O Cards for AMPP Edge Live Appliances

AMPP-IO-SDI8

AMPP I/O Card – SDI video card with 8x configurable 3G-SDI I/O ports including 4x ports supporting up to 12G-SDI plus 1x reference port. Uses HD-BNC connectors.

AMPP-IO-SDI12

AMPP I/O Card – SDI video card with 12x 3G-SDI ports (including 6x 12G-SDI capable ports) supporting 8 input ports and 4 configurable input/output ports plus 1x reference port. Uses HD-BNC connectors.

Media Storage for AMPP Edge Live Appliances

AMPP-G26-L-2TB

AMPP Edge Live Media Storage 2 TB

AMPP-G26-L-4TB

AMPP Edge Live Media Storage 4 TB

This product may be protected by one or more patents. For further information, please visit: www.grassvalley.com/patents

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