



MediaKind G9 Series



High-Performance Intel-based Media Processing

The MediaKind G9 platform combines outstanding performance and density for media processing and delivery applications while insuring high service availability.

The MediaKind G9 platform uses the Intel® Xeon processors. MediaKind uses specific code optimizations on Intel® chipsets, therefore the G9 platform can perform the highest quality compression and processing for premium content .

For service providers, this advanced performance corresponds to a reduction in operating expenses. The G9 platform is built to offer the best ratio cost / density thanks to the right choice of components.

The G9 1027 and 1057 are a compact 1RU chassis that offers flexible configuration options, with IP (up to 25 Gb), 3G-SDI and HD-SDI input support. With up to many HD-SDI interfaces the G9 is the high-density encoding solution for broadcast and streaming applications.

The G9 series offers dual IP input/output management interfaces, IPMI remote management support, as well as redundant hot-swappable power supplies. Combined with the resiliency capabilities of the MediaKind software suite and redundancy management through MediaKind Management, this further contributes to high service uptime and the delivery of best video practices.

Platform Highlights

High Performance

- Intel Cascade Lake processors
- Designed to support advanced media processing

Efficient Power

- 2 hot-swappable modules
- 80+ Titanium-grade power supplies featuring 92% efficiency

Control and System Level Management

- System-level monitoring for overall system, processing node and power supply health status
- Front panel power button, status LED and Network
- Link / Activity LED for each node
- IPMI and Redfish support

Specifications—G9 1027 / 1057

Software Compatibility

Software compatibility	Aquila Streaming v6 Aquila Broadcast v6 Aquila On-Demand v6
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Memory

Size	G9 1027: 64 GB memory capacity / G9 1057: 192 GB memory capacity
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Hardware Options

	G9 1027	G9 1057
4x 1GbE (Base Server)	Max. 1	Max. 1
3x 10GbE SFP+	Max. 1	Max. 1
2x 25GbE SFP28 ⁽¹⁾	Max. 1	Max. 1
4x HD-SDI	Max. 1	Max. 1
8x HD-SDI	Max. 2	Max. 2
SG1	Max. 2	Max. 2 ⁽²⁾
Optional 4x 1/10GbE ⁽³⁾	Max. 1	Max. 1

(1) Input only with 25GbE SFP option. (2) With or without 8x HD-SDI option. (3) Available when PCI Slot #3 is free.

Environmental

Operating temperature	50 to 95° F (10 to 35° C)
Storage temperature	-40 to 158° F (-40 to 70° C)
Storage humidity	50 to 90% non-condensing with a max. wet bulb of 82.4°F (28° C) at

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Physical and Power

Chassis dimensions (H x W x D)	1.7" (43.2 mm) x 17.25" (438 mm) x 30.75" (781 mm)
Chassis weight	30.9 lbs (14.18 kg)
Power	Input: 90-264 VAC auto-ranging
Consumption	Idle: up to 266 W - Encoding: up to 553 W ⁽⁴⁾
Heat dissipation	Idle: up to 1076 Btu/hr - Encoding: up to 2032 Btu/hr ⁽⁴⁾
Power supplies	Dual load-balancing hot-swappable 1300 W AC 80 PLUS Titanium
MTBF	29036 Hrs

⁽⁴⁾ Contact your Sales representative.

Compliance

Agency certifications	FCC Class A, CE, CB, VCCI, RoHS-compliant, WEEE-compliant ⁽⁵⁾ Declaration of Conformity: EU , UKCA , EU Authorized Representative Declaration
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⁽⁵⁾ See G9 Installation Guide for complete list.

G9 1027 / 1057: Base Server

