

# MediaKind G8 Series



## High Performance Intel-based Video Processing

The MediaKind G8 platform provides outstanding performance and density for video processing and delivery applications and is available in 1RU (1000 series) or 2RU (2000 series) form factors.

The MediaKind G8 platform uses the latest generation of Intel® Xeon® Skylake CPUs. Thanks to these processors, the G8 platforms have far more advanced processing power. For service providers, this advanced performance corresponds to a reduction in operating expenses. Compared to previous generation appliances, the G8 platforms have the ability to process 20% more channels and 20% more transcoding of VOD libraries at once.

The G8 1000 series is a compact 1RU chassis that offers flexible configuration options, with IP (up to 10 Gbe), 3G-SDI and HD-SDI input support. With up to 16 HD-SDI interfaces per 1U chassis, the G8 platform is the high-density encoding solution for broadcast applications.

The G8 2000 series platform is designed for heavy processing workloads. For all IP-based headends, the G8 provides the densest compute capacity on the market.

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

## Platform Highlights

### High Performance

- Latest generation Intel Xeon Skylake processors
- Designed to support advanced video processing

### 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 support

### Efficient Power

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

### Hot-swappable Processing Nodes (G8 2000 series)

- 4 independent processing nodes with IP interfaces
- Pluggable and cable-free carrier trays
- 3 managed dual fans per node preventing single point of failure

## Specifications - MediaKind G8 2054 / 2074

### Software Compatibility

<b>Software Compatibility</b>	G8 2054: MediaKind Encoding Live v7.1 and above G8 2074: MediaKind Encoding Live v10.0 and above
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### Memory

<b>Size</b>	96 GB (G8 2054) or 192 GB (G8 2074) RAM memory per node
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### Input

<b>IP Input/Output (per node)</b>	4 x Gigabit Ethernet ports per node
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### Management

<b>Control interface (per node)</b>	2 x 10 Gigabit Ethernet port for Management
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### Physical and Power

<b>Chassis Dimensions (H x W x D)</b>	3.42" (86,87 mm) x 17.24" (438 mm) x 30.35" (771 mm)
<b>Chassis Weight (Fully configured 2 PSU, 4 nodes)</b>	65.50 lbs (30.2 kg)
<b>Power</b>	Input: 90-264 VAC, auto-ranging, 47 Hz-63 Hz
<b>Consumption</b>	Idle: 230 W per node (1050 W total) Encoding: 510 W per node (2080 W total)
<b>Heat dissipation</b>	Idle: 785 Btu/hr per node (3585 Btu/hr total) Encoding: 1741 Btu/hr per node (7102 Btu/hr total)
<b>Power supplies</b>	Dual load-balancing hot-swappable 2130 W AC Common Redundant Power Supply (CRPS), 80 PLUS Platinum
<b>MTBF</b>	265849 Hrs

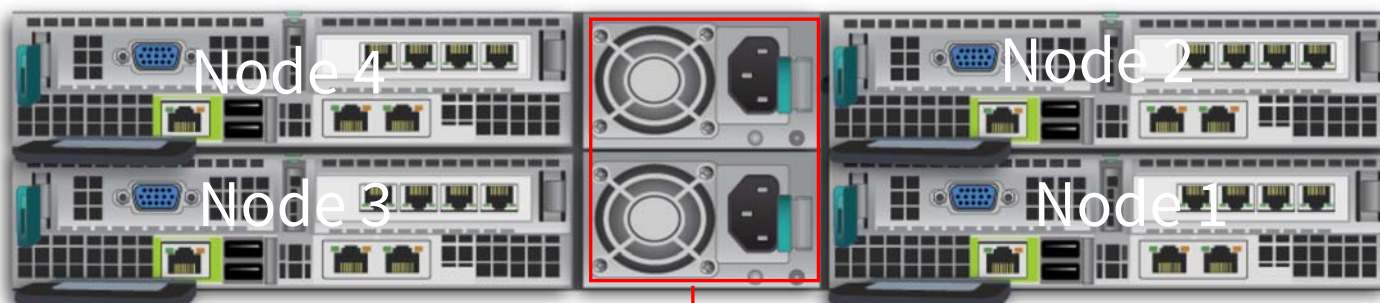
## Environmental

<b>Operating temperature</b>	50 to 95° F (10 to 35° C)
<b>Storage temperature</b>	-40 to 158° F (-40 to 70° C)
<b>Storage humidity</b>	50 to 90% non-condensing with a maximum wet bulb of 82.4°F (28° C) at temperatures from 25°C to 35 °C

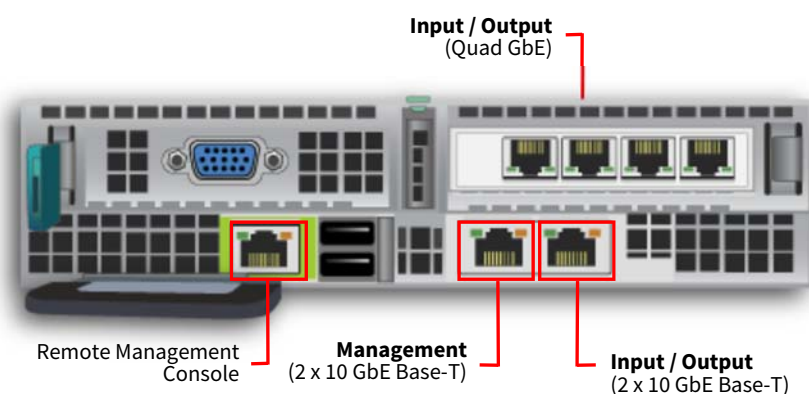
## Compliance

<b>Agency Certifications</b>	FCC Class A, CE, CB, VCCI, RoHS-compliant, WEEE-compliant (See G8 Installation Guide for complete list)
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## G8 2054/2074 Back Panel



**Dual Power Supplies**  
Hot Swappable  
1 x Primary  
1 x Secondary





## Specifications - MediaKind G8 1054/1074

### Software Compatibility

<b>Software Compatibility</b>	MediaKind Encoding Live v7.1 and above
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### Memory

<b>Size</b>	96 GB (G8 1054) or 192 GB (G8 1074) RAM memory
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### Input/Output

<b>IP Input/Output</b>	2 x Gigabit Ethernet ports 2 x 10 Gigabit Ethernet ports (optional) * 2 x 10 Gigabit SFP+ Ethernet ports (optional) *
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<b>SDI Input</b>	4 x 3G-SDI inputs (optional) * 8 x HD-SDI or 16 HD-SDI inputs (optional) *
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\* Contact us for availability

### Management

<b>Control interface</b>	Gigabit Ethernet ports for Management
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### Physical and Power

<b>Chassis Dimensions (H x W x D)</b>	1.7" (43.2 mm) x 17.25" (439 mm) x 28" (712 mm)
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<b>Chassis Weight</b>	29.3 lbs (13.3 kg)
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<b>Power</b>	Input: 115-220 VAC auto-ranging or -48 to -60 VDC
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<b>Consumption</b>	Idle: 315 W Encoding: 595 W
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<b>Heat dissipation</b>	Idle: 1076 Btu/hr Encoding: 2032 Btu/hr
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<b>Power supplies</b>	Dual load-balancing hot-swappable 1100 W AC 80 PLUS Platinum or 750 W DC 80 PLUS Gold
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<b>MTBF</b>	35316 Hrs
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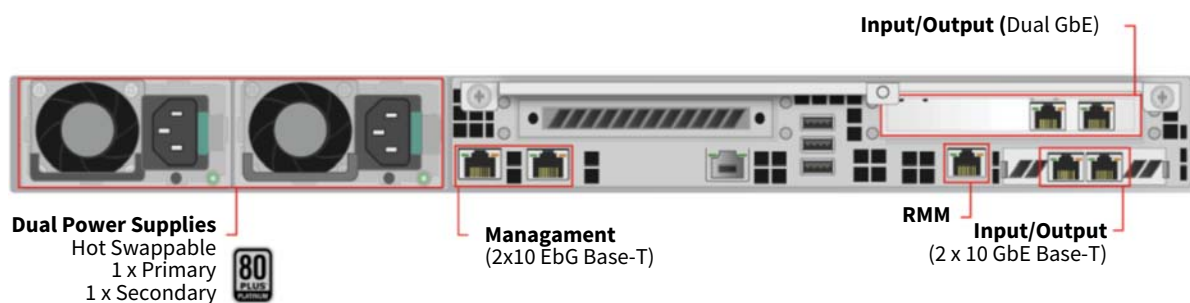
## Environmental

<b>Operating temperature</b>	50 to 95° F (10 to 35° C)
<b>Storage temperature</b>	-40 to 158° F (-40 to 70° C)
<b>Storage humidity</b>	50 to 90% non-condensing with a maximum wet bulb of 82.4°F (28° C) at temperatures from 25°C to 35° C

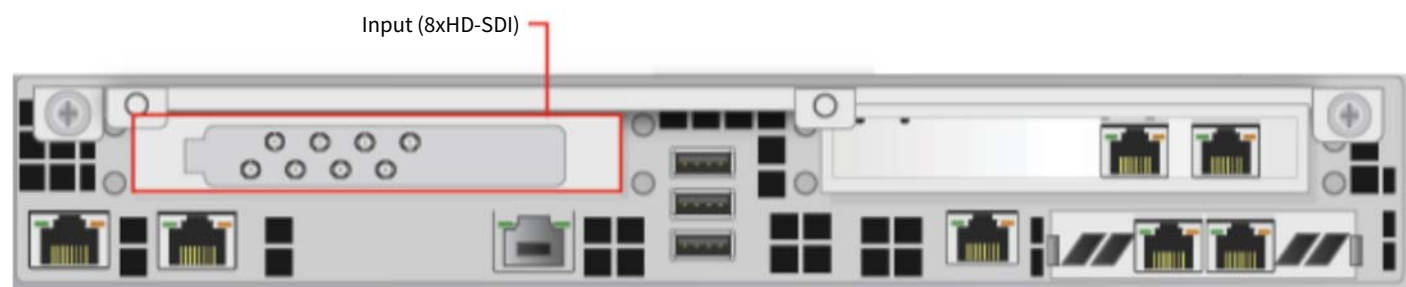
## Compliance

<b>Agency Certifications</b>	FCC Class A, CE, CB, VCCI, RoHS-compliant, WEEE-compliant (See G8 Installation Guide for complete list)
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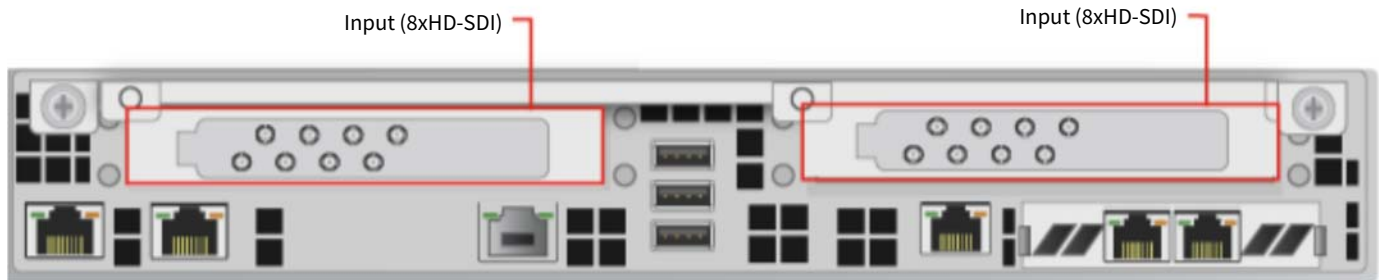
## G8 1054/1074 Back Panel options



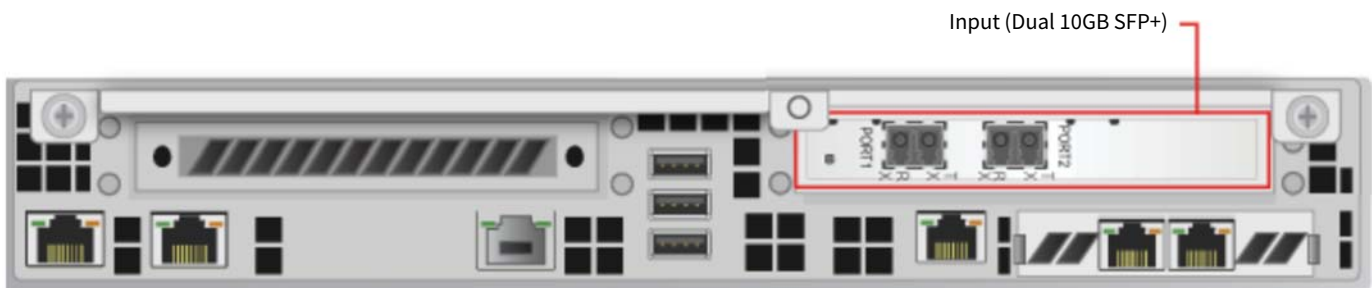
## G8 1054: 8 x HD option



### G8 1054: 16 x HD-SDI option



### G8 1054: 2 x 10 Gbe SFP+ option



### G8 1074: 3G-SDI option

