



MediaKind M1 Series



Compact Intel-based server

The MediaKind M1 server is a powerful and cost effective platform for Aquila applications.

The server is a configurable 1U short depth server based on Intel Xeon processors.

Combined with MediaKind multiplexer, the platform is a powerful processing server that insures high service availability.

The server provides:

- 2 x Gigabit Ethernet ports for control and monitoring
- Optional 4 x 1 or 10 Gigabit Ethernet ports for data ingress and egress
- Optional ASI I/O support
- Optional SDI I/O support
- Dual redundant AC power supplies

Platform Highlights

High Performance

- Intel Xeon processor
- Up to 1Gbit/s of data throughput

Robust and low power system

- Redundant NIC, PSU
- Environmental endurance

High flexibility

- 4 PCI express slots
- ASI I/O, SDI I/O, 1/10 GbE options

Specifications

Software Compatibility

Software compatibility	MediaKind Controller MediaKind Stream Processing v10.0 and above
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Memory

Size	16GB or 32GB (optional)
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Management / Input / Output

Control and monitoring / CAS connection	2 x Gigabit Ethernet ports
Data Ingress / Egress (optional)	4 x 1 Gigabit Ethernet ports 4 x 10 Gigabit Ethernet ports
ASI (optional)	4-port ASI I/O option card (75 ohm HD- BNC connectors) 8-port ASI I/O option card (75 ohm DIN 1.0/2.3 connectors)
SDI (optional)	4-port SDI I/O option card (75 ohm HD-BNC connectors) 8-port SDI I/O option card (75 ohm HD-BNC connectors)

Physical and Power

Dimensions (W x D x H)	440 x 560 x 44mm (17.2 x 22 x 1.75" approx.)
Input voltage	110 VAC / 240 VAC
Power consumption	550 Watt max
Cooling	Integrated fans

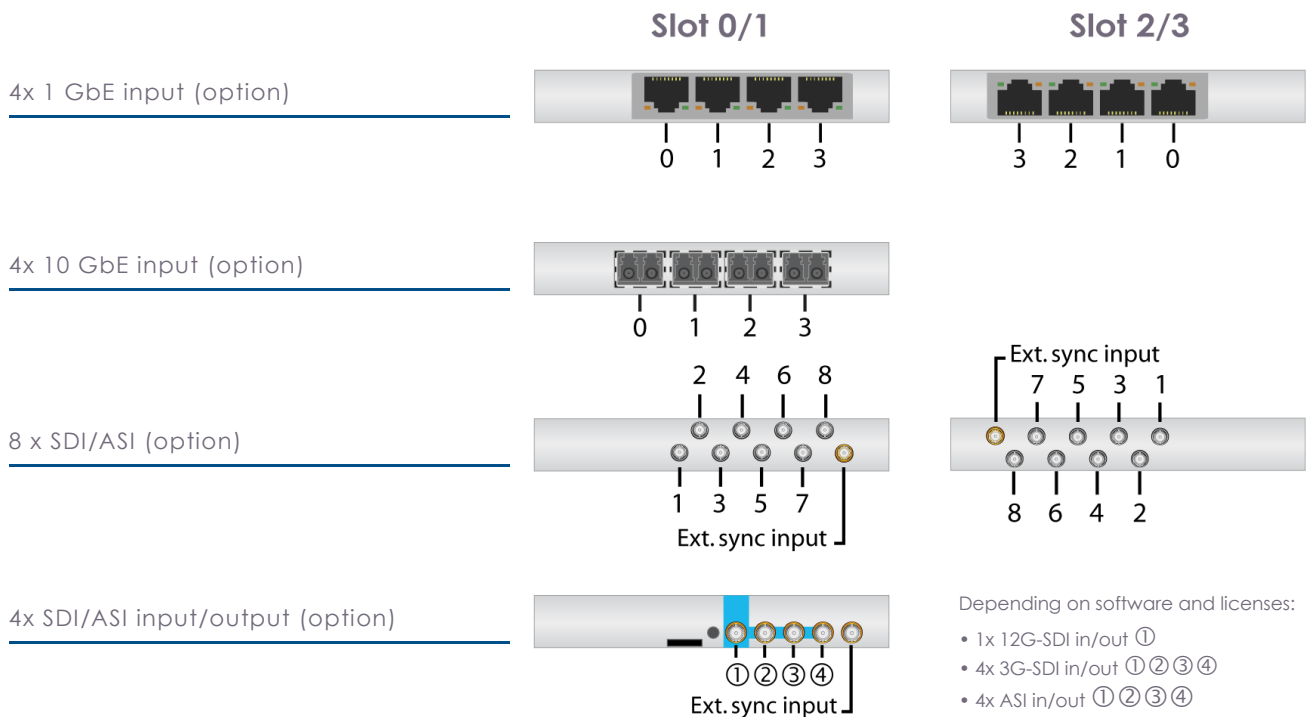
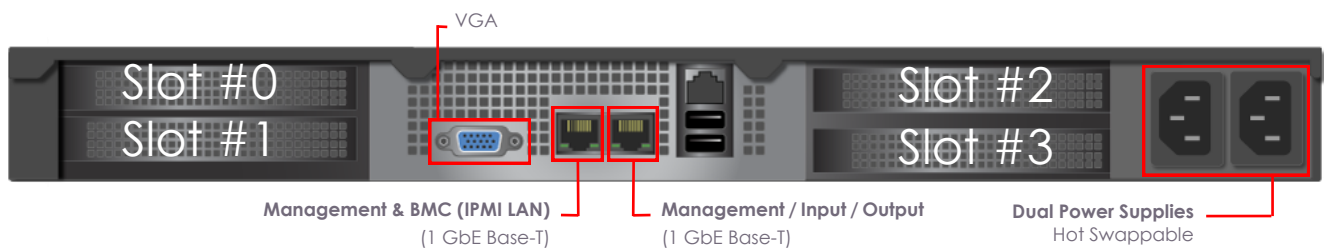
Environmental

Operating temperature	0°C to 50°C (32° to 122°F)
Storage temperature	-20°C to 65°C (4° to 150°F)
Storage humidity	5% to 95% (Non-condensing)

Compliance

Compliance	CE Marked in accordance with all applicable EU Directives
EMC compliance	EN 55011: 2016 + A1: 2017 CISPR 32: 2015 (Ed 2.0)/C1: 2016 EN 55032: 2015/AC: 2016; EN IEC 61000-6-4: 2019; EN 61000-3-2: 2014 EN 61000-3-3: 2013; EN IEC 61000-6-2 (EN 55035:2017); ETSI EN 300 386 V2.1.1 FCC 47 CFR PART 15 Subpart B; ANSI C63.4: 2014; ISED ICES-003 (Issue 6)
Safety compliance	EN62368-1 and IEC62368-1

M1 Back Panel



Depending on software and licenses:

- 1x 12G-SDI in/out ①
- 4x 3G-SDI in/out ① ② ③ ④
- 4x ASI in/out ① ② ③ ④
- 4x SDI out ① ② ③ ④

- + Analog sync in (bi/tri-level) to genlock