

ProMedia[®] 1400

APPLICATION SERVER



The ProMedia 1400 appliance is a carrier-grade hardware platform optimized for the demanding performance requirements of high-quality adaptive bitrate streaming applications.

A member of the comprehensive Harmonic family of ProMedia multiscreen preparation and delivery solutions, the server provides high-density and high-performance for transcoding SD and HD content into multiple streams of H.264 video optimized for adaptive bitrate delivery. It is designed specifically for hosting the ProMedia Live real-time transcoder software application.

Configurations

The ProMedia 1400 application server can host instances of ProMedia Live, or both transcoding and ProMedia packaging applications on a single node. Performance is dependent on the actual requirements per service.

SPECIFICATIONS

SYSTEM

RU	2
Blades/Motherboards	4
Number of Processors (per blade)	2
Processor Type	Intel E5-2690 v2 (10-core), 3.0 GHz, 25 MB CPU cache
CPU Cores	10 cores per CPU
CPU Cache	25 MB "Smart Cache" per CPU
RAM (per blade)	32 GB
Drives (per blade)	120 GB SSD
Ethernet Ports	6 per blade
Mean Time Between Failure (MTBF)	48,600 hours

POWER

Input Voltage Range	90-140 VAC or 180-264 VAC
Power Supply	Dual 1600 W
Line Frequency	47-63 Hz
Typical Consumption	1,600 W maximum
Heat Dissipation	5,459 BTU/hr. maximum

PHYSICAL

Dimensions (W x H x D)	17.24 in x 3.46 in x 30.35 in (2 RU) 439 mm x 87.9 mm x 771 mm
Weight	71 lbs/ 32 kg

ENVIRONMENTAL

Operating Temperature Range	32 to 131 ° F 0 to 55 ° C
Non-Operating Temperature Range	-40 to 158 ° F -40 to 70 ° C
Operating Relative Humidity	20% to 80% non-condensing, with a maximum gradation of 10% per hr.
Non-Operating Relative Humidity	5% to 95% non-condensing, with a maximum gradation of 10% per hr.
Electromagnetic Compliance	FCC, ICES, CE, VCCI, C-Tick, KCC
Product Materials Information	EU RoHS

HIGHLIGHTS

- Supports ProMedia Live real-time transcoder, or a combination of transcoding and ProMedia packaging solution
- High-density 2-RU modular platform
- Dual power supplies
- Four hot-swappable motherboards