

ProMedia™ 5200 Series

APPLICATION SERVERS



The ProMedia™ 5200 series is a family of robust hardware platforms optimized for the demanding performance requirements of multiscreen transcoding applications. Members of the comprehensive Harmonic family of ProMedia multiscreen production and delivery solutions, ProMedia 5200 servers are designed specifically to host the WFS™ file-based workflow engine and ProMedia Carbon and Xpress transcoders.

The servers provide the optimal blend of performance, capacity, availability and density required to manage dynamic, large-scale transcoding workflows. They can be used as ProMedia Carbon or Xpress nodes in a transcoding farm, or to host the WFS Controller, which manages the workflow in a transcoding farm and includes services for quality control (QCS), packaging and scrambling.

ProMedia 5200 application servers run on the Windows® operating system to ensure easy deployment and seamless network compatibility. All ProMedia transcoding and workflow applications, as well as antivirus software, come pre-installed, and automatic service monitoring and recovery capabilities help ensure trouble-free operation. Audit-trail logging of user actions eases troubleshooting and provides the ability to backup and restore complete system configurations for quick service restoration in the unlikely event of failure. In addition, software updates and required Windows patches can all be applied remotely.

HIGHLIGHTS

- High-performance servers optimized for large-scale transcoding applications
- High-density 1-RU platform supports ProMedia file-based transcoders and WFS workflow engine
- Automatic service monitoring and recovery
- Remote software updates
- Configuration backup/restore

CONFIGURATIONS

ProMedia 5200 servers feature two fully configured motherboards, 24 high-performance CPU cores (48 HT cores), 2 TB of internal storage, 48-MB CPU cache and 24-GB RAM in a 1-RU chassis. Two models are available:

ProMedia 5200

ProMedia 5200 is designed for use as a WFS node in a transcoding farm. Each motherboard can support an instance of ProMedia Carbon and the WFS QCS, Packager and Scrambling services. Alternatively, both motherboards can be configured to run ProMedia Xpress.

ProMedia 5210

ProMedia 5210 is the preferred product for hosting WFS Controller, which runs on the first motherboard. The second motherboard can be used as a WFS node for supporting an instance of ProMedia Carbon and the WFS QCS, Packager and Scrambling services. Alternatively, both motherboards can be configured to run ProMedia Xpress.

		ProMedia 5200		ProMedia 5210	
		Motherboard 1	Motherboard 2	Motherboard 1	Motherboard 2
Supported Applications	WFS Controller			X	
	WFS Node				
	• ProMedia Carbon	X	X		X
	• QCS	X	X		X
	• Packager Service	X	X		X
	• Scrambler Service	X	X		X
Storage	ProMedia Xpress	X	X	X	X
	Effective Capacity	2 TB	2 TB	1 TB	2 TB
	RAID Configuration	RAID 0	RAID 0	RAID 1 (mirrored)	RAID 0

PROCESSING

Number of Processors	4 total (two per node)
Processor Type	Intel X5680 (hex core), 3.33 GHz, 12 MB CPU cache
CPU Cores	24 (48 HT cores)
CPU Cache	48 MB
RAM	24 GB
Drives	Two hot-swappable 1-TB SATA disks
Ethernet Ports	12
Operating System	Windows Server 2008

POWER

Input Voltage Range	100-264 VAC
Power Supply	Single
Line Frequency	47-63 Hz
Typical Consumption	604 W nominal 1,200 W maximum

PHYSICAL

Dimensions (W x H x D)	17.2 in x 1.7 in x 27.75 in (1 RU) 43.7 cm x 4.3 cm x 70.5 cm
Weight	40 lbs/18.1 kg

ENVIRONMENTAL

Cooling	Air flow front to side
Operating Temperature Range	50° to 95° F (10° to +35° C)
Non-Operating Temperature Range	-40° to +158° F (-40° to +70° C)
Operating Relative Humidity	8% to 90% non-condensing
Non-Operative Humidity	5% to 95% non-condensing
Mean Time Between Failures (MTBF)	112,734 hours
Electromagnetic Compliance	FCC Part 15 Class A CE Mark (EN 55022 Class A), UL , CUL Canada EN 60950/IEC 60950-Compliant, TUV Germany, ROHS 5/6 - Directive 2002/EC
Product Materials Information	EU RoHS EU REACH