

Agility System Configuration Guide

Agility Version 2G 1.1

This document specifies the hardware and system software that are used to test Agility for application conformance and for performance measurement. The information is published so that configurations are supportable and performance is predictable.

While it is understood that there are reasons for installing Agility on alternate hardware and software configurations, we cannot predict the performance or behavior of these systems.



Agility System Hardware

	ECS Node	LCS Node	Capture Node	Workgroup (Single Node)
Minimum CPU Clock Rate Rec FSB speed Min FSB speed Model #	Dual Core Dual Processor 2.66+GHz 1333 MHz 667 MHz Xeon® 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB	Dual Core Dual Processor 2.66+GHz 1333 MHz 667 MHz Xeon 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB	Dual Core Dual Processor 2.66+GHz 1333 MHz 1333 MHz Xeon 5160; 1333 MHz FSB	Dual Core Dual Processor 2.66+GHz 1333 MHz 667 MHz Xeon 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB
Qualified CPU ¹	Dual/Quad Core Xeon X5355 Processor 2x4MB Cache, 2.66GHz, 1333MHz FSB, PE2950 Dual/Quad Core Xeon L5408 Processor 2x6MB L2 Cache, 2.13GHz, NX4250 Dual/Quad Core Xeon E5540, 2.53GHz, R710/PE2970	Dual/Quad Core Xeon X5355 Processor 2x4MB Cache, 2.66GHz, 1333MHz FSB, PE2950 Dual/Quad Core Xeon L5408 Processor 2x6MB L2 Cache, 2.13GHz, NX4250 Dual/Quad Core Xeon E5540, 2.53GHz, R710/PE2970	Dual/Quad Core Xeon X5355 Processor 2x4MB Cache, 2.66GHz, 1333MHz FSB, PE2950 Dual/Quad Core Xeon E5540, 2.53GHz, R710/PE2970	Dual Core Dual Processor 2.66+GHz 1333 MHz 667 MHz Xeon 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB
Memory	≥2 GB	≥2 GB	10 GB Maximum	≥2 GB
Storage ^{2 3} Technology System Drive Data Drives Min sustained writes	SCSI or SAS 36 GB (RAID 1) Not required	SCSI or SAS 36 GB (RAID 1) 3 x 100+ RAID 0 > 80 MB/sec	SCSI or SAS 36 GB (RAID 1) 3 x 100+ RAID 0 > 80 MB/sec (Live video capture to a SAN is not supported)	SCSI or SAS 36 GB (RAID 1) 3 x 100+ RAID 0 > 80 MB/sec
Bus Slots	PCI x PCI e	PCI x PCI e	PCI x PCI e (64-bit PCI req for HD Capture)	PCI x PCI e (64-bit PCI req for HD Capture)
Network (enterprise systems)	1000 Mbps Ethernet minimum	1000 Mbps Ethernet minimum	1000 Mbps Ethernet minimum	1000 Mbps Ethernet minimum

¹ A maximum of two physical processors is supported.

² Separate system and data drives are required. Telestream recommends 2x18+ RAID 1 system drive.

³ External storage is required if the Dell 1950 (1RU) package is used. It lacks the internal storage space for data drives.



Telestream

USB Ports (Min) ⁴	1	2	2	2
	ECS Node	LCS Node	Capture Node	Workgroup (Single Node)
SD capture cards	N/A	N/A	AJA® Xena® LS, LSe, LH, LHe, 2K AJA® Kona® LS, LSe, LH, LHe, 2K Viewcast® Osprey™ 230 ⁵ Viewcast Osprey 530 ⁵	AJA® Xena® LS, LSe, LH, LHe, 2K AJA® Kona® LS, LSe, LH, LHe, 2K Viewcast® Osprey™ 230 ⁵ Viewcast Osprey 530 ⁵
HD capture card	N/A	N/A	AJA Xena LH, LHe (64-bit PCI) AJA Xena 2K AJA Kona LH, LHe (64-bit PCI) AJA Kona 2K 230 MB/s data rate required.	AJA Xena LH, LHe (64-bit PCI) AJA Xena 2K AJA Kona LH, LHe (64-bit PCI) AJA Kona 2K 230 MB/s data rate required.

⁴ Cinema Craft (VOD) and Forensic Watermarking features require additional dongles

⁵ Viewcast Osprey cards are not supported on Windows Server 2008



Agility System Software

	ECS Node	LCS Node	Capture Node	Workgroup (Single Node)
Operating System	Windows Server 2003 Standard R2, SP2, EN-US - (32-bit version) Windows Server 2008 Standard R2, EN-US - (64-bit version) ⁶			Windows XP SP3, EN-US - (32-bit version)
MS .Net Framework	V 3.5 SP1			
IIS	Server 2003: V 6.0 – Requires ASP.NET 2.0 Server 2008: V 7.0 – Requires v6.0 compatibility pack	n/a	n/a	V 6.0 - Requires ASP.NET 2.0
MS ASP .NET	2.0	n/a	n/a	2.0
SQL Server 2008	SP1 Std/Exp; 32-bit (svr 2003) SP1 Std; 64-bit (svr 2008)	n/a	n/a	Express; 32-bit; Service Pack 3
Browser	Internet Explorer® V8 Firefox® V3.6	n/a	n/a	Internet Explorer V8 Firefox V3.6
QuickTime	n/a	Ver 7.6	Ver 7.6	Ver 7.6
AJA drivers	n/a	n/a	32-bit OS: Version 6.5.0 64-bit OS: Version 4.2.0 - Use drivers provided by Anystream	32-bit OS: Version 6.5.0 - Use drivers provided by Anystream
Osprey Drivers	n/a	n/a	Version 2.2.2 for Osprey Viewcast 230 and 530: Use drivers provided by Agility	Version 2.2.2 for Osprey Viewcast 230 and 530: Use drivers provided by Agility
Active Directory Server	Must be a member of a Windows Domain > than 3 nodes ADS server must NOT reside on Agility Server.			

Settings and 3rd party software for all Agility Systems:

- All critical and recommended patches and hardware drivers from the [Microsoft Update](#) website
- Microsoft Windows Regional Settings and Keyboard Layout set to English (US)
- Data Execution Prevention for essential Windows Programs and Services only
- SQL Server 2008 must be configured for Mixed Authentication
- Dedicated Agility Domain User (with local Administrator rights on all Agility servers) for systems larger than three nodes

⁶ Flex Dongles not supported on Server 2008 at this time. Must use MAC ID/Disc Serial Number for License authentication. Additionally, AVID TM and Osprey Viewcast capture cards not supported on Server 2008.