

ASAN ST Digital Media Card/Subsystem Matrix

	Alchemy	Alchemy HD	Alchemy PC/104+	Alchemy GL	Alchemy GLi	Alchemy Gfx	Alchemy Efx	Channel Gfx	DVinci HD
MPEG 1/2 Decode 4:2:0	√	√	√	√	√	√	√		√
MPEG-4 Decode	√	√	√	√	√	√	√		√
HD MPEG Decode		√							√
Video Surfaces per card	1-4 MPEG	4 MPEG	1, 2 MPEG	4 MPEG	4 MPEG or 4 Analog Pass Through	4 MPEG + Graphics	1 MPEG & 1 Graphics & 1 Analog	4 Graphics	1 MPEG & 1 Analog
Zero-Frame Seamless Back to Back Playback	√	√	√	√	√	√	√		√
Maximum Bit Rate Decoded	10	45	10	10	10	10	10		45
Component out	√	√	√	√	√	√	√	√	√
Composite out	√	√	√	√	√	√	√	√	√
S-Video out	√	√	√	√	√	√	√	√	√
VGA out	√	√		√	√	√	√	√	√
DVI out									√
Genlock in				√	√		√		√
Composite Video In					√		√		√
S-Video In					√		√		√
Component Video In					√		√		√
Differential(Balanced) Audio 300/600 Ohm		√	√	√	√		√		√
Digital Audio: AC3 Pass Through, PCM		√							√
MP3 Audio Decode		√							√
Transparency Levels for Surface Blending	16	16	16	16	16	256	256	256	256
Graphic Overlay	256 colors	256 colors	256 colors	256 colors	256 colors	16.7 Million	16.7 Million	16.7 Million	16.7 Million
Scan Converter	√	√	√	√	√	√	√	√	√
Hardware Flicker Filter							√	√	
Dedicated VGA Processor						√	√	√	√
Scrolling and Crawling Graphics And Text (Bitmaps)						√	√	√	√
Bitmap Graphic Overlay	√	√	√	√	√	√	√	√	√
JPEG, GIF, Animated GIF, HTML and other Graphic formats						√	√	√	√
Flash Animations						√	√	√	√
Graphic Sequencing With Durations						√	√	√	√
Integrated AV Switch					√		√	√	√
Channels per card	1-4	1-4	1-2	1-4	1-4	1-4	1	1-4	1
I/O Breakout Box	√	√		√	√	√			
PCI	33/66	33/66	PC/104+	33/66	33/66	33	33	33	33/66
Mechanical Size	8.1"	11.75"	3"	8.1"	8.1"	8.1"	6.9"	7.75"	4.75"
Power	12W	23W	9W	11W	18W	27.5W	10.7W	18W	7W
Player Application	√		√		√	√	√		√
Quartet Video Suite	√								√
Author/On The Air									
Linux Video Suite									
Network Control									
Video WallIt!		√							
Available Output Modes									
	NTSC	NTSC	NTSC	NTSC	NTSC	NTSC	NTSC	NTSC	NTSC
	PAL	PAL	PAL	PAL	PAL	PAL	PAL	PAL	PAL
	480P	480P	480P	480P	480P	480P	480P	480P	480P
	576P	576P	576P	576P	576P	848X480	848X480	848X480	576P
	720P	720P	720P	720P	720P	852X480	852X480	852X480	720P
	1080i	1080i	1080i	1080i	1080i	800x600	800x600	800x600	1080i
		1024x768					720P		1024x768
		1152x864					1152x864		1152x864
		1280x1024					1024x768		1280x1024
							1280x1024		