

DSA-3520

High Graphic Performance DSA Computer

NEW



Features

- AMD (Socket Type) + ATI M690E + ATI SB600
- Up to 4 GB DDR2 SODIMM (support FSB 533/667 MHz)
- Integrates a DirectX 9.0 compliant 2D/3D graphics core
- Supports side port: Supports an optional dedicated local frame buffer 64 MB
- Supports Dual independent display (VGA or HDMI)
- Supports Ethernet up to 10/100/1000 Mbps
- One mini PCI (For 802.11 b/g WLAN, TV Tuner)
- Supports 6 x USB 2.0, 2 x COM
- Supports EIDE and SATA II



Introduction

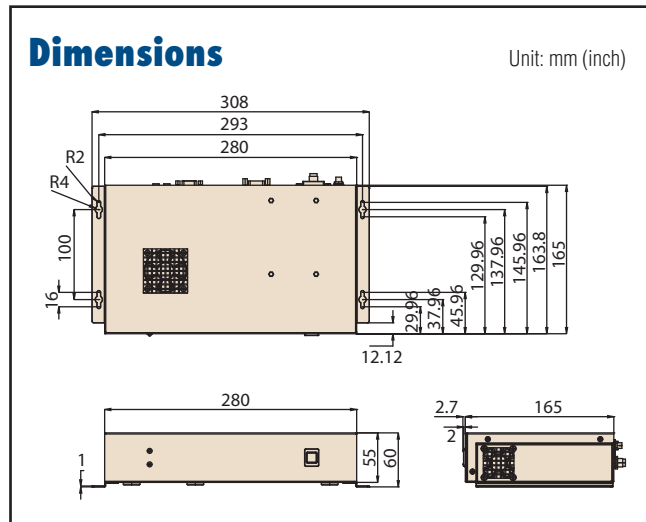
The DSA-3520 is a high graphic performance, HD 7.1 Audio enabled and Windows XPE ready embedded computer for digital multimedia applications. The DSA-3520 is an ATI M690E solution, which integrates the ATI Radeon X1250 graphics core. The ATI Radeon X1250 with a 64 MB dedicated video memory buffer gives the power of HDTV decoding and multiple media content processing. WLAN feature is available as an option for location where a wiring infrastructure is not available. A TV-Tuner option is also available for integrating the TV function into the multimedia application.

Specifications

System	CPU	AMD Turion 64 X2 TL-62 / AMD Sempron 3700 +
	Chipset	AMD M690E and SB 600
	L2 Cache	1 MB (Turion)/ 512 KB (Sempron)
	BIOS	AWARD 4 Mbit via LPC
Graphic	Front Side Bus	533/667/800 MHz
	Chipset	ATI Radeon™ x 1250
Memory	Memory Size	Shared system memory up to 512MB
	Technology	DDR2 533/667/800 SDRAM
	Max. Capacity	4GB
Network	LAN	2 x RJ-45
	Wireless	Optional (via MiniPCIe module)
Media Formats	Video codec	WMV, H.264, MPEG 1/2/4
	Video format	WMV, MOV, AVI
	Audio codec	2 channels, MPEG-1 and MPEG-2 Layers I, II and III (MP3), 16-bit PCM, bit rate up to 384 kbps, sample rate up to 48 KHz
	Still image format	JPEG, BMP, TIFF, GIF, PNG
	Flash format	SWF
	Text	Fixed Text, Live RSS Feed
Display Compatibility	Aspect ratio	4:3, 16:9, 3:4, 9:16
	Output resolution	4:3 ratio -- 640 x 480, 800 x 600, 1024 x 768, 1280 x 1024 16:9 ratio -- 1280 x 720 (720p), 1366 x 768, 1980 x 1020 (1080p)
	Display connector	HDMI, DVI, VGA
Player Function	Program update	Through LAN, WAN or USB storage
	Scrolling text	Variable scrolling speed and position
	Playlist	Scheduling playback, endless loop playback, auto play after power on
I/O Ports	Video-out	Digital Video: 1 x HDMI 1.3, 1 x DVI VGA: 1 x D-Sub 15-pin
	Audio-out	R/L channel analog: 2 x unbalanced stereo RCA jacks S/ PDIF: coaxial digital audio output
	Video-in	Composite: 1 x RCA jack
	Audio-in	R/L channel analog: 2 x unbalanced stereo RCA jacks
	Serial	RC-232C: 1 x D-Sub 9-pin (male)
	USB	USB 2.0 Host: 1 x USB Type A connector
Storage	IDE-0	SATA
	IDE-1	NA

Specifications

Power	Power computation	Average 50W, Maximum 75W
	Power supply	100 ~ 240 V AC @ 2.4 A, 50 ~ 60 Hz
	System alarm	schedule boot up function
Environment	Temperature	0 ~ 40° C , Operating
	Relative humidity	10 to 85% @ 40° C (non-condensing), Operating
	Vibration resistance	1 Grms, IEC 60068-2-64, Random, 5 ~ 500 Hz, 1hr/axis
Physical	Dimension	272 x 88 x 232 mm (10.74" x 3.46" x 9.13")
	Weight	3.49 kg (7.68lb)
Watchdog Timer	Output	Interrupt, system reset
	Interval	Programmable 1 ~ 255 sec.
Certification	Electromagnetic	CE, FCC
	Safety	UL ,TUV, CE
	Environmental protection	RoHS



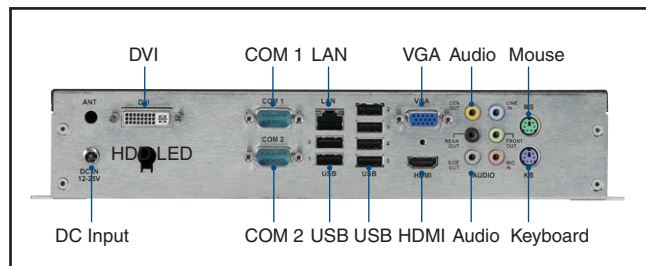
Ordering Information

Part Number	Description
DSA-3520-NT00E	Standard Model without CPU, Memory and HDD
DSA-3520-NT56E	Standard Model with AMD Turion 64 x 2 TL-56, 2 x 512 MB memory and 80 GB SATA HDD
DSA-3520-NT37E	Standard Model with AMD Sempron 3700 2.0 GHz, 2 x 512 MB memory and 80 GB SATA HDD

Optional Items

Part Number	Description (CPU)
96MPATD-TL56-1MS1T	AMD TURION 64 x 2 TL-56 (1.8 GHz, 31W)
96MPAMS-37P-5KS1T	Sempron 3700 (2.0 GHz, 25W)
96MPAMS-21P-2KS1T	Sempron 2100 (1.0 GHz, 8W)
Part Number	Description (HDD)
96ND80G-ST-WD5K	WD 80G 2.5" SATA 5KRPM 8 MB(G)
96ND120G-ST-WD5K	WD 120G 2.5" SATA 5KRPM 8 MB(G)
96ND160G-ST-WD5K	WD 160G 2.5" SATA 5KRPM 8 MB(G)
Part Number	Description (Memory)
96SD2-512M533NN-TR	TRANSCEND 512 SO-DDR2-533 200P(G)
96SD2-1G533NN-TR	TRANSCEND 1G SO-DDR2-533 200P(G)
996SD2-1G667NN-AP	APACER 1G SO-DDR2-667 200P 64 x 8 CL5(G)
96SD2-2G667NN-TR	TRANSCEND 2G SO-DDR2-667 200P 128 x 8(G)
Part Number	Description (Power Adaptor)
MEC110AC-T	AC to DC power adapter, 110W/8.5A

I/O Ports



Front Panel

