

DSA-3400

Network Digital Signage Platform with Intel® Core™ 2 Duo Mobile Processor



Features

- Compact size and low-noise design
- Support Intel® Core™ 2 Duo Mobile Processor
- Optional WLAN or TV-Tuner Module support
- Multiple HD video content playback
- Easy mounting with Plasma or LCD panel
- Support both landscape and portrait mode of display and dual display (VGA + DVI-I)
- CompactFlash for advanced integration



Introduction

DSA-3400 is a small profile, all-in-one Windows® XPE ready network appliance and control box for digital signage applications the Intel® Core™ 2 Duo processor gives it the power for HDTV decoding and multiple media content processing. This compact, easy-to-implement network appliance enables centralized control, scheduling and delivery of multimedia content through IP/Ethernet networks. Built on x86 platform and XP Embedded OS, it is easy for application development and can be integrated with PDPs (Plasma Display Panel) and LCDs with a multi-vendor networking environment. WLAN features are available as an option for locations where a wiring infrastructure is not available for network connectivity. A TV-tuner option is also available for integrating the TV function into the signage application. DSA-3400 combining with the EWF, WDT and the scheduled boot up SDK gives maximum reliability for digital signage applications.

Specifications

Processor & System	CPU	Support Intel Core™ 2 Duo / Core™ Duo / Core™ Solo Mobile processor	
	Chipset	Intel 945GM / ICH7M-DH	
	L2 Cache	2M	
	BIOS	AWARD 4M bit BIOS	
	Front Side Bus	400/533/667 MHz	
Memory	Technology	Dual channel DDR2 667/533/400	
	Max. Capacity	2 GB	
	Socket	2 x 200-pin DIMM	
Graphic	Chipset	Intel Graphics Media Accelerator 950	
	Memory Size	Shared system memory up to 224 MB	
	Resolution	Up to 2048 x 1536 at 75 Hz	
Ethernet	Interface	Gigabit LAN Controller	
	Controller	Marvell® 88E8053	
	Connector	1 x RJ-45	
	WLAN (Optional)	802.11b/g	
Storage	IDE-0	2.5" HDD Tray (40 GB default)	
	IDE-1	Compact Flash socket for type I/II	
I/O Interface	DVI	1 (DVI - I connector , digital signal output only)	
	VGA	1 (D-sub 15-pin)	
	LAN	1 (RJ-45)	
	USB	4 (USB 2.0 compliant, 480Mbps)	
	Audio	AC97 - Line-out, Mic-in, Line-in	
	Serial	COM1 – RS232, COM2 – RS485/RS232 (default RS-232)	
	PS/2	1 (For keyboard and mouse with Y cable)	
	Mini-PCI (Internal)	1 (For optional WLAN module or TV tuner module)	
	PSW	External Power Switch button	
	TV out	S-video and Composite video	
	Power Requirement	Management	APM 1.2, ACPI supported
		Power Consumption	Average 33 W, Maximum 49 W
Input Voltage		12 V DC – 24 V DC, 12V DC @ 4.14 A , 24V DC @ 2.07 A	
Others		Support Boot on Power back and schedule boot up function	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable 1 – 255 sec.	
Physical Characteristics	Mounting	Easy Mounting Kits for LCD or Plasma	
	Dimensions (W x H x D)	222 x 135 x 47 mm (8.7" x 5.3" x 1.85")	
	Weight	1.47 kg	
Environment	Temperature	-10 – 40° C, Operating	
	Relative Humidity	95% @ 40° C (non-condensing), Operating	
	Vibration Resistance	0.5 Grms, IEC 60068-2-64, Random, 5-500 Hz, 1hr/axis	
Software Development Kit	Operation System	Supports Microsoft Windows XP with SP2, XP embedded and Win2000 with SP4.	
	EWF& WDT SDK	EWF and WDT library for signage stability design in XPE	
	Demo Program	Complete demo program with VC++ sample code for reference	

Features & Benefits

High Performance & Network-manageable

The DSA-3400 series incorporates an Intel Core™ 2 Duo Mobile processor for smooth program playback, and includes 2 x 512 MB Dual channel of base memory and a default 40 GB hard disk drive for program and storage of media files. The Core™ 2 Duo technology gives DSA-3400 a solid basis for high density video decoding, multiple video decoding with better video quality. DSA-3400 series functions as the IP-addressable client so that it can be connected locally through a local area network or remotely through a wide area network.

Compact & Low noise

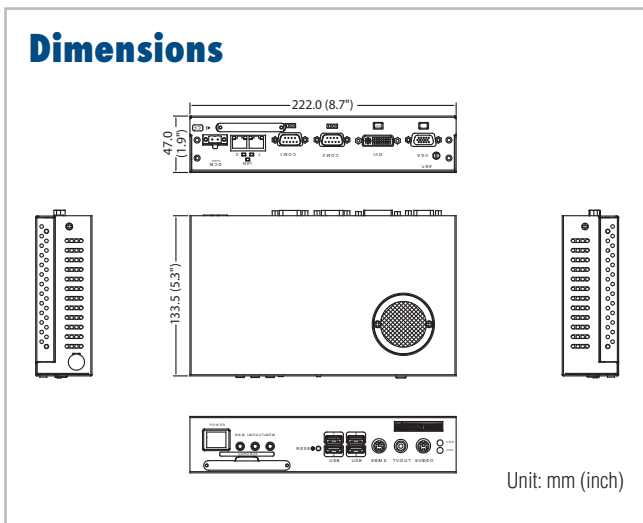
The small foot-print and low-profile case design of DSA-3400 series is designed to facilitate different types of mounting and installation. The low power mobile CPU reduces noise for signage applications.

Wireless & Tuner Options

DSA-3400 series can be connected to the network either via a wireless connection or through a standard Ethernet cable. DSA-3400 also comes with a tuner-integrated option which incorporates live TV programs as part of the presentation media.

Enhanced Reliability

DSA-3400 series integrates the EWF (Enhanced Write Filter) function, WDT (Watch Dog Timer) and scheduled boot-up SDK. Running under Microsoft Windows XP Embedded OS, EWF provides a facility for protecting a partition from write accesses. It allows the system to maintain its original state to maximum system reliability.



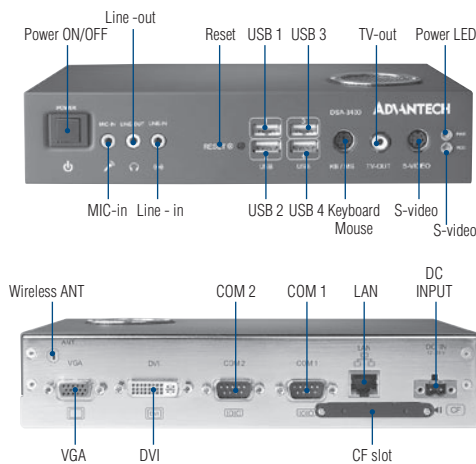
Ordering Information

Part Number	Description
DSA-3400-NT56E	Standard model with Intel® Core™ 2 Duo T5600 1.83 GHz Mobile processor/2 x 512 MB RAM/40 GB HDD
DSA-3400-WT56E	Standard model with Intel® Core™ 2 Duo T5600 1.83 GHz Mobile processor/2 x 512 MB RAM/40 GB HDD/802.11b/g Wireless module (upon request)
DSA-3400-HT56E	Standard model with Intel® Core™ 2 Duo T5600 1.83 GHz Mobile processor/2 x 512 MB RAM/40 GB HDD/Hybrid TV tuner module (upon request)
DSA-3400-AT56E	Standard model with Intel® Core™ 2 Duo T5600 1.83 GHz Mobile processor/2 x 512 MB RAM/40 GB HDD/Analog TV tuner module (upon request)

Packing List

Part Number	Description	Quality
2062340000	Utility CD	x 1
1700060202	Y cable of Keyboard and PS/2 Mouse	x 1
1700001394	DC Jack with 2-pin pluggable terminal block	x 1
1960007897	Mounting Accessory	x 2
1757000799	AC to DC Adapter, 19 V DC @ 3.16 A, 60 W, 100-240 V, 3-pins AC-inlet Mode with Phoenix Power Plug	x 1

I/O Ports



Optional Item

Part Number	Description
9689071001	Power cord 3-pins 180 cm, USA
170203183C	Power cord 3-pins 180 cm, Europe
965G330000E	802.11b/g WLAN Module (only for DSA-3300 and DSA-3400 series use)
2070001296	XPE SP2 OS Image and License for DSA-3400 series English Version
2070001297	XPE SP2 OS Image and License for DSA-3400 series Traditional Chinese Version