

# DSA-3400

## Network Digital Signage Platform



### Features

- Compact size and low-noise design
- Supports Intel® 945GME graphic chipset
- Optional WLAN or TV-Tuner module support
- High-definition video content playback
- Easy mounting with Plasma or LCD panel
- Supports dual displays (via DVI and VGA)
- Fine-tuned BIOS with Watch-dog Timer and EWF for enhanced reliability
- Compatible with most x86 base content management software
- Industrial grade quality with long product life



### Introduction

DSA-3400 is a small profile, all-in-one Windows XPE ready network appliance and control box for digital signage applications. This compact, easy-to-implement network appliance enables centralized control, scheduling and delivery of multimedia content through IP/Ethernet networks. Built on an 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 combined with the EWF, WDT and the scheduled boot up SDK gives maximum reliability for digital signage applications.

### Specifications

Processor & System	CPU	Supports Intel Core 2 Duo or Celeron M440 Mobile processor
	Chipset	Intel 945GM / ICH7M-DH
	L2 Cache	2 MB
	BIOS	AWARD 4 M-bit BIOS
	Front Side Bus	400/533/667 MHz
Memory	Technology	Dual channel DDR2 667/533/400
	Max. Capacity	2 GB, default 1 GB (2 x 512 MB)
	Socket	2 x 200-pin DIMM
Graphics	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	CompactFlash socket for type I/II
	SATA	2
I/O Interface	DVI	1 (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 - RS-232, COM2 - RS-485/RS-232 (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
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		Supports 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 47 x 135 mm (8.7" x 1.85" x 5.3")
	Weight	1.47 kg (3.23 lb)
Environment	Temperature	-10 ~ 40° C (14 ~ 104° F), 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 channels 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 base for high density video decoding, and multiple video decoding with better video quality. DSA-3400 series functions as an 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

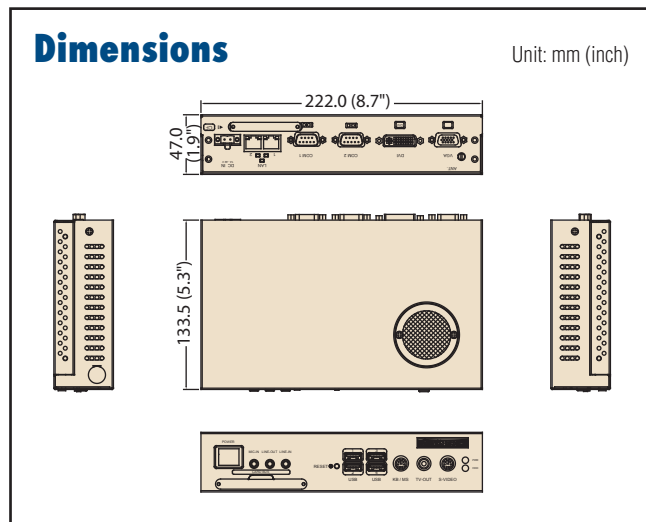
The small foot-print and low-profile case of DSA-3400 series is designed to facilitate different types of mounting and installation. The low power mobile CPU reduces noise for signage applications.

### Wireless & Tuner Options

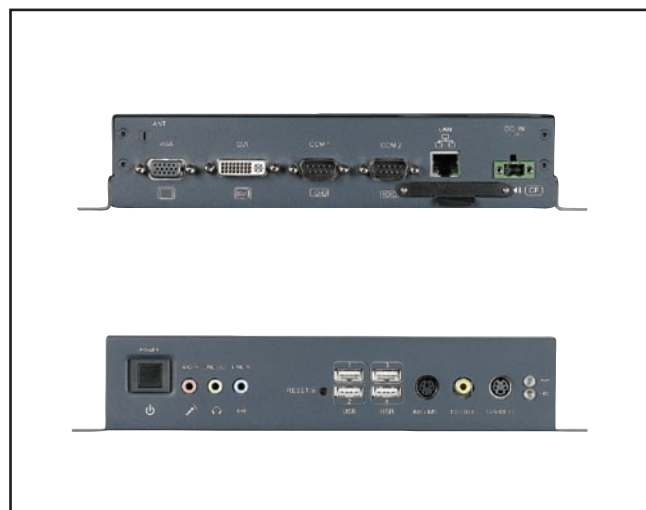
DSA-3400 series can be connected to the network either via a wireless connection or through a standard Ethernet cable. DSA-3400 also comes with a tuner-integrated option which incorporates live TV programs as part of the presentation media.

### Enhanced Reliability

DSA-3400 series integrates EWF (Enhanced Write Filter), 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 maximize system reliability.



## I/O Ports



## 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
DSA34008003E-T	Standard model with Intel Celeron M440 1.86 GHz Mobile process/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 for Keyboard and PS/2 Mouse	x 1
1700001394	DC Jack with 2-pin pluggable terminal block	x 1
1960007897	Mounting Accessory	x 2
1757000222	AC to DC Adapter, 19 V DC @ 3.16 A, 60 W, 100-240 V, 3-pin AC-inlet Mode with Phoenix Power Plug	x 1

## Optional Items

Part Number	Description
1700001947	Power cord 2-pin 180 cm, USA
1700001948	Power cord 2-pin 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