

DSA-3400

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



Features

- Compact size and low-noise design
- Supports 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
- Supports both landscape and portrait mode of display and dual display (VGA + DVI)
- 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 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 / Core Duo / Core Solo 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 |
| | 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 | 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 | 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 135 x 47 mm (8.7" x 5.3" x 1.85") |
| | 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

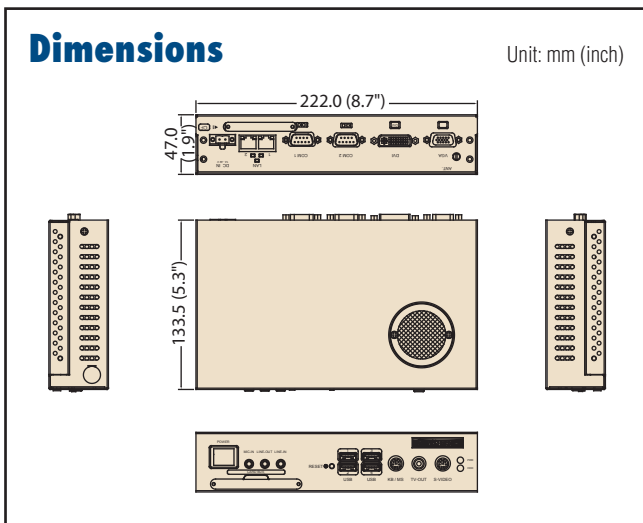
The small foot-print and low-profile case of DSA-3400 series is designed to facilitate different types of mounting and installation. The low power mobile CPU reduces noise for signage applications.

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.



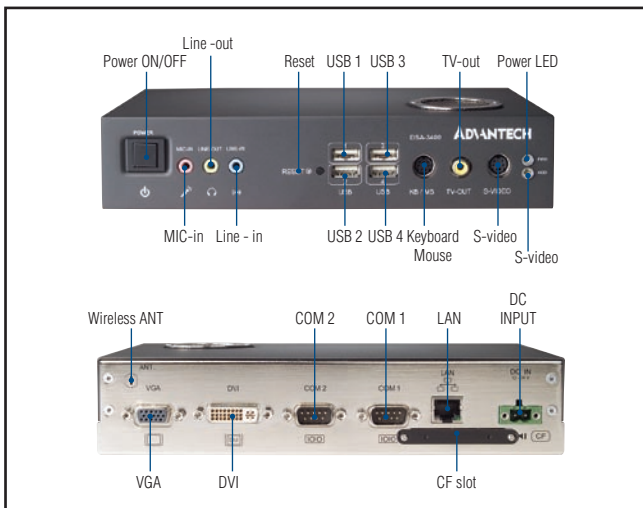
Ordering Information

| 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 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 |

I/O Ports



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 |