DSA-3300

Network Digital Signage Platform



Features

- Compact size with robust construction
- Supports Intel® Celeron M/Pentium M Processor
- X86 architecture for easy application development & integration
- Optional WLAN or TV-Tuner Module support
- Supports EWF (Enhanced Write Filter), WDT (Watchdog Timer), and scheduled boot up SDK under Windows® for access protection and enhanced availability
- Easy mounting with Plasma or LCD panel
- Supports both landscape and portrait mode of display and dual display (VGA + DVI-I)

Introduction

DSA-3300 is a small profile, all-in-one Windows® XPE ready network appliance and control box for digital signage application. 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 is 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-3300 combined with the EWF, WDT and scheduled boot up SDK gives maximum reliability for digital signage applications.

Specifications

Processor & System	CPU	Support Intel Pentium M/Celeron M processor
	Chipset	Intel 852GM/ICH4
	L2 Cache	Depend on CPU type
	BIOS	AWARD® 4M bit BIOS
	Front Side Bus	400 MHz
Memory	Technology	DDR 200/266 MHz modules
	Max. Capacity	1 GB
	Socket	200-pin SODIMM
Graphic	Chipset	Chipset integrated VGA controller
	Memory Size	Shared system memory up to 64 MB
	Resolution	up to 1600 x 1200 @ 85 Hz and 1920 x 1440 @ 60 Hz
Ethernet	Interface	10/100 Base-T
	Controller	Intel 82551QM (WOL supported)
	Connector	RJ-45
	WLAN (Optional)	802.11b/g
Storage	IDE	2.5" HDD Tray (40 GB default)
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, 480 Mbps)
	Audio	AC97 - Line-out, Mic-in
	Serial	COM1 – RS232, COM2 – RS232
	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 Connector
Power Requirement	Management	APM 1.2, ACPI supported
	Power Consumption	Average 29 W, Maximum 45 W
	Input Voltage	12 V DC ~ 24 V DC, 12 V DC @ 4.14 A , 24 V 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 43 mm (8.7" x 5.3" x 1.7")
	Weight	1.25 kg
Environment	Temperature	-10 ~ 45° 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

All product specifications are subject to change without notice

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Features & Benefits

High Performance

DSA-3300 series incorporates an Intel® Celeron M 1.5GHz/ Intel® Pentium M 1.6 GHz processor for smooth program playback, and includes 512 MB of base memory and a default 40 GB hard disk drive for program and storage of media files.

Compact & Robust Form Factor

The small foot-print and low-profile case design of DSA-3300 series is designed to facilitate different types of mounting and installation.

Network-Manageable

DSA-3300 series functions as the IP-addressable client so that they can be connected locally through a Local Area Network or remotely through a Wide Area Network.

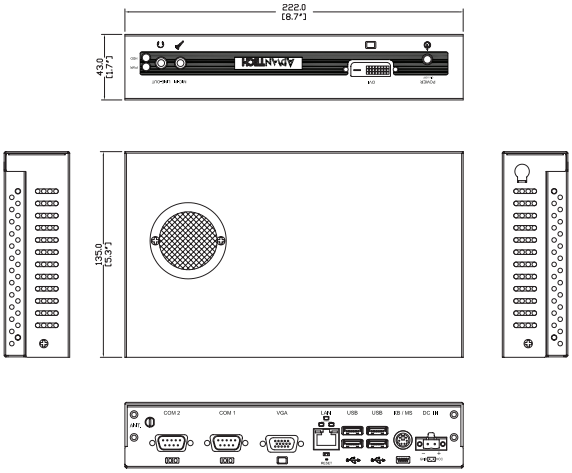
Wireless & Tuner Options

DSA-3300 series can be connected to the network either via a wireless connection or through standard Ethernet cable. DSA-3300 also comes with a tuner-integrated option which incorporates live TV programs as part of the presentation material.

Enhanced Reliability

DSA-3300 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 maximize system reliability.

Block Diagram



Unit: mm (inch)

Ordering Information

Part Number	Description
DSA-3300-M5E	Standard model with Celeron M 1.5 GHz/512 MB RAM/40 GB HDD
DSA-3300-WM5E	Standard model with Celeron M 1.5GHz/512 MB RAM/40 GB HDD/Wireless module
DSA-3300-S6E	Standard model with Pentium M 1.6 GHz/512 MB RAM/40 GB HDD
DSA-3300-WS6E	Standard model with Pentium M 1.6 GHz/512 MB RAM/40 GB HDD/Wireless module
DSA-3300-HTS6E	Standard model with Pentium M 1.6 GHz/512 MB RAM/40 GB HDD/Analog + DVB-T hybrid TV tuner module (upon request)
DSA-3300-ATS6E	Standard model with Pentium M 1.6 GHz/512 MB RAM/40 GB HDD/Analog TV tuner module (upon request)

* Celeron M 1.5 GHz can support two MPEG-4 Video @ Full D1 (720 x 480 in NTSC, 720 x 576 in PAL) resolution under 65 % CPU utilization rate.

* Pentium M 1.6 GHz approximate to P4 2.8 GHz performance

Packing List

Part Number	Description	Quality
2062330000	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
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
1960006001	Mounting Accessory	x 2

Optional Item

Part Number	Description
2070000852	XPE SP2 OS Image and License for DSA-3300 series Traditional Chinese Version
2070000853	XPE SP2 OS Image and License for DSA-3300 series English Version
965G330000E	802.11b/g WLAN Module
9689071001	Power cord 3-pin 180 cm, USA
170203183C	Power cord 3-pin 180 cm, Europe