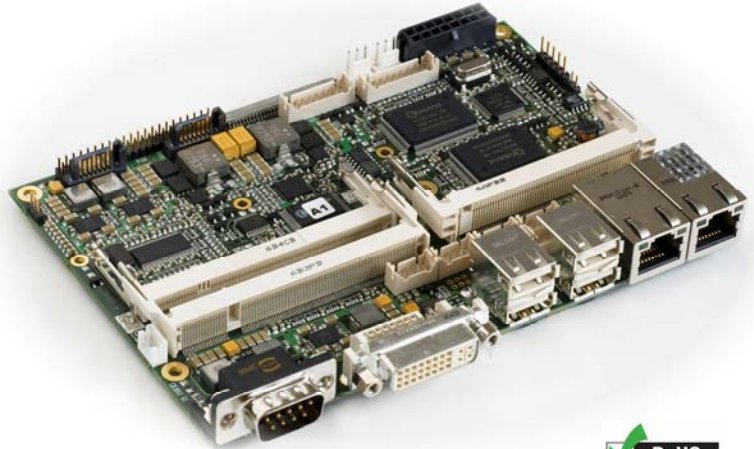


ADL945HD

Intel Celeron M / Core Duo / Core 2 Duo: 1.07GHz - 2.16GHz

Features

- Intel Celeron M / Core Duo / Core 2 Duo
- 1.07GHz to 2.16GHz
- 945GME / ICH7R Chipset
- Up to 4GB DDR2 - 667MHz SDRAM
- Hardware Monitoring
- Power Management
- 8x USB 2.0
- Onboard Digital Video Interface (DVI)
- Gigabit Ethernet LAN Controller
- Mini-PCI socket
- 3.5-inch form factor
- 2x SATA 300
- ATX Power Control



Ordering Guide

Item Code	Part #	Description
ADL945HD-423CM	294110	SingleCore 1.07GHz, 1M cache
ADL945HD-440CM	294111	SingleCore 1.86GHz, 1M cache
ADL945HD-U2500	294112	DualCore 1.2GHz, 2M cache
ADL945HD-L2400	294113	DualCore 1.66GHz, 2M cache
ADL945HD-T2500	294114	DualCore 2GHz, 2M cache
ADL945HD-T7400	294115	DualCore 2.16GHz, 4M cache
ADL945HD-L7400	294116	DualCore 1.5GHz, 4M cache
Standard DDR2 RAM		
DDR2-DRAM512	996925	512MB 667MHz 200-pin SODIMM
DDR2-DRAM1024	996025	1024MB 667MHz 200-pin SODIMM
DDR2-DRAM2048	996125	2048MB 667MHz 200-pin SODIMM
Extended Temperature DDR2 RAM		
DDR2-DRAM512-EX	996927	915/945DDR2 512MB 667MHz 200pin -40°C-+85°C
DDR2-DRAM1024-EX	996027	915/945DDR2 1GB 667MHz 200pin -40°C-+85°C
DDR2-DRAM2048-EX	996127	915/945DDR2 2GB 667MHz 200pin -40°C- +85°C

Description

The ADL945HD is based on the Intel® Core™2 Duo / Core™Duo / Core™Solo Processors, with clock speeds up to 2.16GHz, and the Intel® 945GME / ICH7R chipset. The Intel® Generation 3.5 graphics engine is integrated into the chipset, along with the Intel® Graphics Media Accelerator 950 (Intel® GMA 950), and can drive either a CRT/DVI and/or LVDS LCD.

The memory is added by way of a SODIMM200 socket and can accept up to four Gigabytes of DDR2 DRAM. The ADL945HD power management incorporates ACPI/APM functions. The standard ADL945HD also incorporates EIDE, SATA, 4x Onboard External USB 2.0, 4x Internal USB 2.0, 4x RS232 COM ports, PS/2 Keyboard and Mouse, AC97 Sound, separate 10/100Mbit and Gigabit Ethernet LAN, and more.

ADL offers highly effective active and passive cooling solutions based on proven thermal data and mounting techniques; resulting in the least possible mechanical board stress. Please contact your Sales Engineer for detailed information on cooling solutions to fit your needs.

Data subject to change without notice



Technical Specifications

FEATURE	FUNCTION	REMARKS	OPTIONS
Processor/CPU:	Intel® Core™2 Duo / Core™Duo / Celeron M		
L2-Cache:	2MB / 4MB	CPU dependent	
Front Side Bus:	533/667 MHz	CPU dependent	U2500 - 533FSB / L2400, L7400, T7400 - 667FSB
CPU-Clock:	1.07GHz - 2.16GHz		
Memory 200pin DDR2 SODIMM:	512MB - 4096MB		
Video Controller:	945GME integrated Gen 3.5 engine	Intel® Graphics Media Accelerator 950 (Intel® GMA 950)	
Video Memory:	8MB UMA / 224MB DVMT		
Video Interfaces:	VGA-Analog, CRT, LVDS		
Video Channel 1:	2048 x 1536		
Video Channel 2:	1600 x 1200		
Real Time Clock:	Yes	External Battery Required for RTC	
LAN-Controller:	INTEL – ICH7R – ext. PHY 82562GZ	Intel 573E for 10/100/1000	
AC97-Controller:	INTEL – ICH7R – AC97 V2.3	ALC655 Codec 5.1 Sound	
SMBus-Controller:	INTEL – ICH7R – SMBus		
USB2-Controller:	8 Ports V2.0		
Resistive Touchscreen	Dedicated connector	Does not occupy existing COM or USB ports.	
Flash BIOS:	512KB		
BIOS:	Award		
Power Management Control:	ACPI / APM		
EIDE-Controller:	PIO 1-4, UDMA 100*/66*/33	Primary Master/Slave	*requires 80 conductor cable
SATA Controller	Ports 1 and 2	1.5Gb/3.0Gb supported	
HW-Monitor:	Winbond W83627HG		
Audio Output:	Stereo Output and SPDif	5.1 Support	
Audio Input:	Stereo-Line, Mic and SPDif		
Keyboard / Mouse	PS/2-USB		
COM1 - COM4	RS232	1x onboard, 3x internal connector	
I2C Bus	Winbond 83627HG		
SMBus	ICH7R		
GPIO	Winbond 83627HG	x16 lines supported	
PCI-Bus:	Mini-PCI interface		
Power Supply:	100W ATX Interface +5, +12 (recommended)		
Power consumption:	2.5 Amps - 11 Amps max @ +5V	CPU dependent	
Operating Temperature: (typ. ambient)	-25°C to +60°C	-40°C to +85°C available upon request	Provided CPU die is kept below 100°C at all times with sufficient thermal path to dissipate
Dimensions:	147mm x 20mm x 102mm	3.5-inch form Factor	
Weight: (gr)	TBD		

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