DVMB-554E Intel[®] Core[™] 2 Duo Based Digital Video Main Board with 4 Channel Video Input

■ Supports Intel[®] Core[™] 2 Duo, Core[™] Solo and Celeron[®] M processors - Four channel PCIe based video input at 120/100 (NTSC/PAL) frames per

- Supports Windows® 2000/XP driver and MPEG4 encoder SDK



Description

DVMB-554 is the first digital video main board to be built with the Intel Core 2 Duo platform, PCIe technology and four channel video input driven by the onboard video capture chip. Intel Core Duo technology offers great performance for video analysis or video compression. The new PCIe interface for four Video chips relieves the usual limitations on PCI bandwidth. The practical result is that the DVMB-554 can capture four channels of video data (D1) at full motion frame rates. The small MINI-ITX form factor and its low power CPU combine to establish the DVMB-554 as the ideal platform for POS integration DVRs, ATM integration DVRs, Vehicle computers and the intelligent video surveillance platforms.

Features

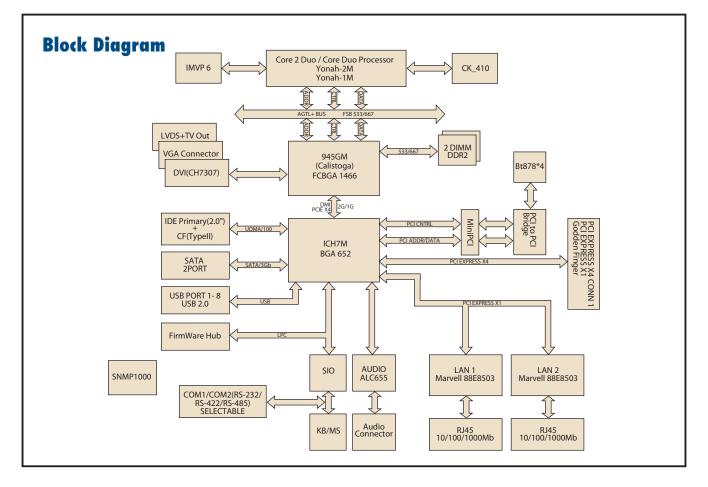
 Supports DDR2 Dual channel memory Dual display output, DVI + VGA, or LVDS + VGA

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Specifications

Bit Display Singer Milez System Chipset Intel 9456M, Intel CH7M Minbond W83627HF-AW Memory Dual channel memory architecture 2 x SODIMM. 2 GB DDR2 667/533/400 non-ECC, unbuffered memory BIOS 4 MB Flash ROM, AWARD BIOS, PnP, DMI2.0, WIM2.0, SM BIOS 2.3 Werkory Dual channel memory architecture 2 x SODIMM. 2 GB DDR2 667/533/400 non-ECC, unbuffered memory BIOS 4 MB Flash ROM, AWARD BIOS, PnP, DMI2.0, WIM2.0, SM BIOS 2.3 Wake-On-Eyst Reyboard Wake-On-Eyst Reyboard - Wake-On-USB Keyboard - Wake-On-LAN - Wake-On-LSB Keyboard - Wake-On-USB Keyboard - Wake-On-USB Keyboard - Wake-On-USB Keyboard - RC Inter to power-on the system - RC Inter to power-on the system CPU stopped clock control - RTC Inter to power-on the system Actipate Tabuter Ecowery - RTC Inter to power-on the system HDD interface System power Management System power Manage	CPU	Supports Intel µFC-PGA 478/µFC-BGA 479 Core Duo with 65 nm process technology			
System Chipset Intel 945GM, Intel ICH7M I/O Chipset Winbord W33627HF-AW Memory Dual channel memory architecture 2 x SODIMM. 2 GB DDR2 667/533/400 non-ECC, unbuffered memory BIOS 4 MB Flash ROM, AWARD BIOS, PnP, DMI2.0, WIM2.0, SM BIOS 2.3 Supports ACPT specification and OS Directed Power Management Wake-On-Events include: - Vake-On-USB Keyboard/Mouse - Vake-On-USB Keyboard Power Management System Dower management sported Supports ACPT specification - Wake-On-USB Keyboard Power Management System Dower management sported Supports ACPT specification - Wake-On-USB Keyboard Power Management System Dower management sported Supports SM green mode Microsoft/Intel APM 12 compilant Power Management System Carcel IDE interface supported a ACPT v1.0 a specification AC power failure recovery A Enhanced IDE interface supports up to 2 x IDE devices. Ultra DMA 100 mode up to 100 MB/sec. 2 x SATA ports support up to 150 MB/sec. S x COM2: RS-232/422/485 S Serial Ports COM1: RS-232, COM2: RS-232/422/485 S USB 2 x Dorts on board (with LAN connector) X 2 ports on board (with CAN connector) 2 x 2 ports on board (with CAN connector) X 2 ports in header (X set) S A 2, 2.0 mm in header w/ idioi-proof, front-end) PS/2 <td></td> <td colspan="3"></td>					
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Mini PCI 1	Audio Interface	AC97 2.3 compliant 5.1 Channel audio supported (internal connector) (Pin assignment will provide later)			
	-	Optional CF socket on the solder side accepts Type I/II CF Card			
PCIe PCIe (x1) Gold finger + PCIe (x4)		1			
	PCle	PCle (x1) Gold finger + PCle (x4)			

	2 x connectors for 4 additional USB 2.0/1.1 ports
Internal I/O Connector	1 x LVDS LCD panel connector
	1 x LCD/inverter power connectors
	1 x Digital I/O connector
	1 x CD Audio-in connector
	1 x IrDA connector
	1 x 44-pin IDE 1 connector
Internal I/O Connector	1 x ATX power supply connector
	1 x front panel connector
	3 x fan connectors
	2 x SATA connectors
	1 x video input connectors (optional)
	1 x video loop through connectors (optional)
	1 x VGA
	2 x COM
External I/O Connector	1 x PS/2 keyboard and mouse Y cable
	1 x Audio I/O
	2 x RJ-45
	4 x USB 2.0/1.1
	1 x DVI
	1 x composite
Digital Video	4 x BT-878 on board with box header
Operating Temperature	0° C ~ 60° C (32° F ~ 140° F)
External Power Terminal	ATX power connector



Ordering Information

Part Number F	Form Factor	Description	Chipset
DVMB-554E r	mini-ITX (170 x 170 mm)	Socket 479 Intel Core Duo/Core Solo processor based with 4 channels video capture/PCI-E/Dual Giga LAN	Intel 945GM