

GEME-W52000

4-CH Double-speed, On-the-fly Inspection Compact Vision Platform



Specifications

System Specifications

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|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU | Low Voltage Intel® Pentium® M 1.4GHz |
| Cache | 1MB / 2MB on-die Advanced Transfer Cache (ATC) |
| System Memory | One SODIMM socket for up to 1GB DDR333 |
| Chipset | Intel® 855GME Graphics and Memory Controller Hub (GMCH) Intel® I/O Controller Hub 4 (ICH4) |
| VGA | On-board VGA controller built-in AGP (3D hyper pipelined architecture) Up to 1600 x 1200 in 32-bit color at 85Hz refresh rate Video memory sharing from main memory with Intel® Dynamic Video Memory Technology (DVMT) Up to 64MB of dynamic video memory allocation |
| USB | 2 USB ports, USB 2.0 compliant |
| IEEE 1394 (Optional) | Texas Instruments TSB43AB23 1394a-2000 OHCI PHY/link-layer controller 2 IEEE-1394 ports |
| Ethernet | Intel® 82562EM 10BaseT/100BaseT x 1 |
| Super I/O Chipset | Chipset Winbond® W83627HF |
| Hardware Monitoring | Built-in Winbond® W83627HF, monitoring CPU temperature, voltage and battery, +3.3V, +5V, +12V voltage |
| COM Port | COM1/ COM2: 16550 UART compatible ports with RS-232 interface, COM2 also supports RS-422, RS-485 |
| Parallel Port | One high-speed parallel port, SPP/EPP/ECP mode |
| Keyboard/Mouse | Combined PS/2 type mini-DIN connectors |
| Watchdog Timer | Time-out timing selectable 1-255 seconds |
| Power Supply | AC input: 100 VAC to 220 VAC, Max. output : +5V 11.5A, +12V 3A, -12V 0.5A DC input (Optional): 10VDC to 30VDC, Max. input current: 13A at 10VDC, Max. output: +5V 10A, +12V 1.5A, -12V 0.3A |
| Operating Temp. | -10° ~ +50°C |
| Humidity | 0% ~ 90% |
| Dimensions | 183 x 140 x 95.36 mm (wall mount kit not included) [16.84 mm(H) for each extension kit] |
| Power Consumption | With 512MB DDRAM +5V 5.5A, +12V 300mA Test conditions: (1) CPU 100% loading (2) No HDD, CD ROM, extension module |
| Power Output | +5V Max. 1A, +12V Max. 1A |
| Storage | 50 pin socket for CompactFlash Type I/II One 44-pin IDE HDD (Optional) |
| Operating System | Windows® XP, Windows® XP Embedded |

Camera Interface

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|-------------|--------------------------------------|
| CCD Support | Progressive or interlaced single-tap |
| Resolution | Up to SXGA (1280 to 960) |
| Frame Rate | 60 fps |
| Video Input | Hirose 12 pin female x 4 |

Features

- Utilizes ADLINK's wide-ranging experience in vision applications
 - ◆ Machine Vision , Surveillance, Intelligent Transportation System
- Based on extensive research on ideal system requirements for vision applications
 - ◆ Compact, Fanless, anti-vibration and anti-shock,
- Flexible, and expandable design for machine automation, factory automation
 - ◆ AC/DC power input, optional remote I/O, and motion control modules

Applications

- In Line Inspection
- 2D Code Reader
- Edge Inspection
- Defect Inspection

1 Software

2 GEME Series

3 DPAC

4 Motion Control

5 Vision

6 HSL

7 Industrial Communication

8 CompactPCI system & Industrial Computers

9 NuDAM