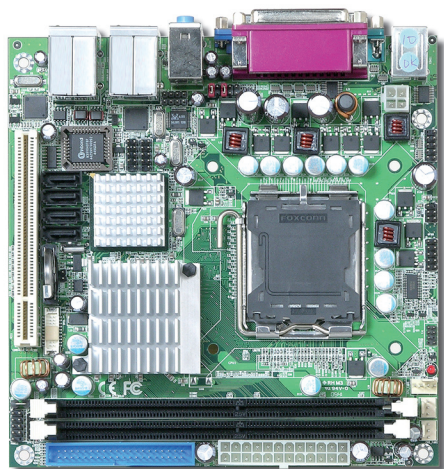# WADE-8134

Peripheral enriched Intel® Pentium® 4 LGA775 Mini-ITX Board with Two Video Outputs, Two GbE LANs and Eight USB Ports

Feature

- Intel® LGA775 Pentium® 4 or Celeron® D processors
- Intel® 82915GV GMCH chipset
- Max. 2GB, DDR2 SDRAM
- Two video outputs by VGA/LVDS, VGA/DVI, LVDS/DVI
- On-board 5.1 CH Audio
- Two GbE-LAN ports and one PCI slot
- Max. two COM and eight USB 2.0 ports

WADE-8134 is a USB-enriched, industrial-grade embedded board. The LGA775 CPU socket enables WADE-8134 to support a greater selection of Intel® Pentium® 4 or Celeron® CPUs. Dual video outputs are also supported by a two-channel memory structure that enhances graphic performance. Capable of operating in a temperature range from 0°C to 60°C, WADE-8134 is a valuable solution for applications functioning in a harsh environment.

Specification

System

CPU	90 nm Intel® LGA775 Pentium® 4 / Celeron® D
FSB	800/533 MHz
BIOS	Award BIOS with 4Mb Flash ROM
System Chipset	Intel® 82915GV GMCH & 82801FB ICH6
System Memory	2 x 184-pin DDR DIMM socket support up to 2 GB, 6.5GB/s dual-channel interleaved mode assuming DDR 400 MHz
Storage	1 x Ultra DMA133/100/66/33 support two IDE devices by 40-Pin IDE connector ; 4 x Serial ATA connector high-speed data transfers at up to 150 MB/s
Watchdog Timer	Reset/IRQx; 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
GPIO	On-board programmable 8-bit Digital I/O interface
Expansion	1 x 32-bit PCI slot

I/O

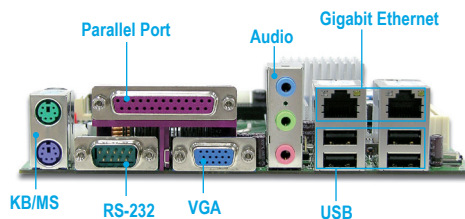|	
MIO	4 x SATA, 1 x EIDE, 1 x LPT, 2 x RS-232, 1 x K/B, 1 x Mouse
IrDA	115k bps, IrDA 1.0 compliant
USB	4 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Codec	Realtek ALC655 AC97 5.1 CH 3D audio interface
Audio Interface	Mic in, Line in, CD Audio in, Line out, Rear out and Center/Subwoofer out
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant

Display

Chipset	Intel® 82915GV GMCH
Display Memory	Integrated Intel® Graphics Media Accelerator GMA 900, and share system memory to 224 MB
Resolution	CRT mode: 2048 x 1536@85 Hz LCD/Simultaneous mode: 2048 x 1536@16 bpp (85Hz)
VGA/LCD Interface	Intel® Graphics Media Accelerator GMA 900, and supports widescreen LCD displays and accelerated DirectX* 9
DVI	Chrontel CH7307 DVI transmitter

Mechanical & Environmental

Power Requirment	76W (Intel® 3.2GHz CPU with 1GB system memory in DOS V 6.22)
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	0%~90% relative humidity, noncondensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.94 lbs (0.43 Kg)

Rear I/O

Ordering Information

- **WADE-8134**
  Intel® LGA775 Pentium® 4 / Celeron® D processors Mini-ITX Board with VGA, DVI, Audio, Dual GB LANs, and 8 USB 2.0 ports

- **1U Heat Sink**
  Copper made heat sink to expire the system heat with 40 CFM fans