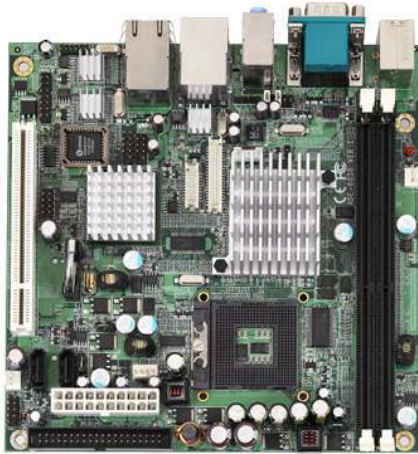# WADE-8144

Intel® Pentium® M Mini-ITX Board with Two Video Outputs, Three GbE LANs and Six USB Ports

Feature

- Intel® Pentium® M or Celeron® M processors
- Intel® 915GM Chipset
- Max. 2GB, DDR2 SDRAM
- Two Video outputs by VGA/LVDS, VGA/DVI, LVDS/DVI
- On-board 5.1 CH Audio
- Three GbE-LAN ports and one PCI slot
- Max. two COM ports and one PCI slot

WADE-8144 is a network bandwidth-enriched solution. With a low power consumption Pentium® M processor, it not only provides more than adequate computing power, but also eliminates any heat issues. Dual video outputs are supported by two-channel memory structure that enhances graphic performance. Three GbE LAN ports provide the wide bandwidth necessary for communication or network related applications. WADE-8144 is the preferred choice where high price/performance ratio is a criterion.

Specification

System

CPU	90 nm Dothan Intel® µFC-PGA 478 Pentium® M/ Celeron® M processors
FSB	533/400 MHz
BIOS	Award BIOS with 4Mb Flash ROM
System Chipset	Intel® 915GM + ICH6M
System Memory	2 x 240-pin dual channel DDR2 SDRAM DIMM 400/533 MHz support up to 2GB
Storage	1 x Ultra DMA100/66 support two IDE devices by 40-Pin IDE connector ; 2 x Serial ATA connector high-speed data transfers at up to 150 MB/s
SSD	1x CompactFlash Type I/II Socket
Watchdog Timer	Reset: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

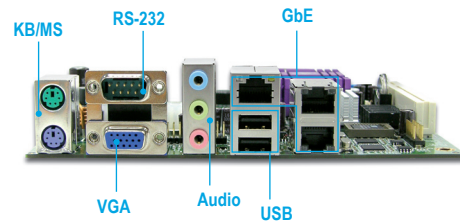|	
MIO	2 x RS-232, 1 x K/B, 1 x Mouse, 3 x GbE
IrDA	IrDA 1.0
USB	2 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Codec	Realtek ALC655 AC97 5.1 CH 3D audio interface
Audio Interface	Mic in, Line in, CD Audio in, Line out, Rear out and Center/Subwoofer out
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T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

Display

Chipset	Intel® 915GM Integrated Intel® GMA 900 graphics
Display Memory	Intel® DVMT 3.0 supports up to 128 MB video memory
Resolution	Analog Display Port: QXGA 2048 x 1536 @ 75Hz Digital LVDS Port: UXGA 1600 x 1200
VGA/LCD Interface	Intel® Graphics Media Accelerator GMA 900, and supports widescreen LCD displays and accelerated DirectX* 9.0
LVDS	Dual Channel 18-bit LVDS
DVI	Chrontel CH7307 DVI transmitter

Mechanical & Environmental

Power Requirment	TBA
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-8144**
  Intel® Pentium® M/Celeron® M processors Mini-ITX Board with VGA, LCD, Audio, three GbE LANs and 6 USB 2.0 ports