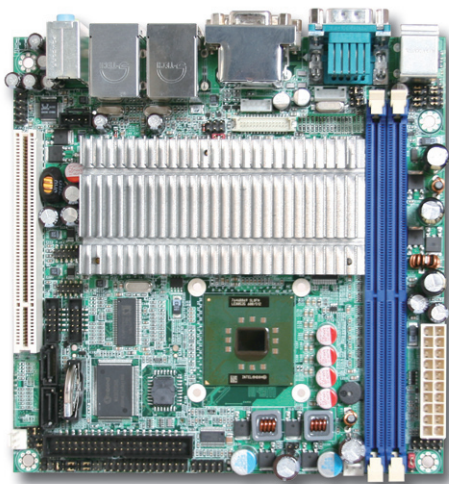# WADE-8044

Ultra Low Voltage Intel® Celeron® M Processor Mini-ITX with DDR2 SDRAM, Dual Displays, Four COM Ports and USB

FEATURES

- Intel® Pentium® M / Celeron® M processor
- Intel® 910GMLE and ICH6-M chipset
- Two 240-pin DIMMs support dual channel DDR2 SDRAM up to 2GB
- Dual Display: VGA / 18bit LVDS
- Dual Gigabit Ethernet ports and one PCI slot
- One Type II Compact Flash, Four COM Ports and Eight USB Ports

The WADE-8044 is cost effective Mini-ITX embedded board for applications that need Dual channel DDR2 memory, Dual Gigabit Ethernet ports and expansion PCI slot. With low power Intel® Pentium® M / Celeron® M processor and Intel® 910GMLE and

ICH6-M chipset, WADE-8044 not only is a fanless solution but also can provide dual displays for diversity applications such as Lottery, Medical, Gaming and Digital Signage.

SYSTEM	
CPU	Intel® Pentium® M / Celeron® M processor
FSB	400 MHz
BIOS	Award BIOS
System Chipset	Intel® 910GMLE GMCH and ICH6-M
System Memory	Two 240-pin DIMMs support dual channel DDR2 SDRAM up to 2GB
Storage	- 2 x SATA - 1 x IDE
SSD	1 x Compact Flash share the same channel with IDE and support UDMA
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
H/W Status Monitor	FAN Speed (CPU and System), Temperature (CPU and System), Voltage, Case open function
GPIO	On-board programmable 8-bit Digital I/O interface
Expansion	1 x PCI slot

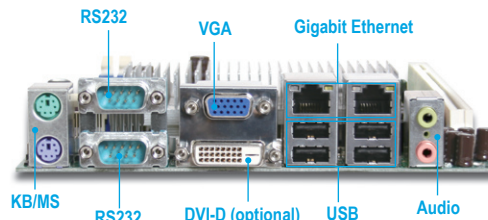| I/O	
MIO	1 x EIDE, 1 x LPT, 3 x RS232 port, 1 x RS232/422/485 selectable, 1 x K/B, 1 x Mouse
IrDA	N/A
USB	4 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Interface	Mic in, Line out
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant (Realtek 8111B)

DISPLAY	
Chipset	Intel® 910GMLE GMCH Integrated Intel® GMA 900 graphics
Display Memory	Intel® DVMT 3.0 share system memory up to 128MB
Resolution	Analog Display: Up to 2048 x1536 (QXGA) Digital LVDS: Up to 1400 x 1050 (SXGA+) Digital DVI (Optional): Up to 1600 x 1200 (UXGA) (Chrontel CH7307)
LVDS	Dual Channel 18-bit

MECHANICAL & ENVIRONMENTAL	
Power Requirement	+12V(System) @ 0.48A; +5V @ 2.85A; +3.3V @ 0.63A
Operating Temperature	0~55°C
Operating Humidity	5%~95%, 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 GUIDE

- **WADE-8044**
  Intel® Pentium® M / Celeron® M processors Based Mini-ITX Board with VGA, 18-bit LVDS, DVI, Dual GbE LAN, Four COM Ports and Eight USB 2.0 Ports

- **WADE-8044-600**
  Intel® Celeron® M 600MHz (512KB Cache) Based Mini-ITX Board with VGA, 18-bit LVDS, Dual GbE LAN, Four COM Ports and Eight USB 2.0 Ports

- **WADE-8044-1G**
  Intel® Celeron® M 1.0GHz (Zero Cache) Based Mini-ITX Board with VGA, 18-bit LVDS, Dual GbE LAN, Four COM Ports and Eight USB 2.0 Ports