WADE-8068
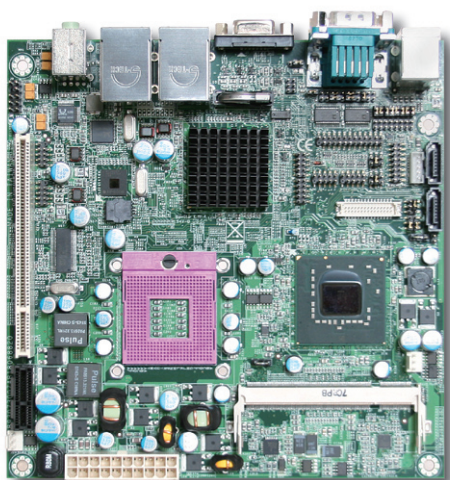
Leading Mobile Intel® Core™ 2 Duo Processor Mini-ITX with DDR2 SDRAM, Dual Displays, Two GbE LAN ports, Four COM Ports, LPT and USB

FEATURES

- Intel® Core™ 2 Duo and Celeron® M processors
- Intel® GME965 and ICH8M-E Chipset
- Two 200-pin SO-DIMMs support dual channel DDR2 SDRAM up to 4GB
- Dual Display: VGA / 24bit LVDS, 3rd Display via expansion slot Dual Gigabit Ethernet ports
- Two SATA ports and One Type II Compact Flash
- One PCI slot and one PCI-E x 1 slot with PCI-E x 4 signal
- Three RS232 ports and one RS232/422/485 port

The WADE-8068 built with Intel® mobile GME965 chipset and takes advantage of Intel® Core™ 2 Duo technologies that can support dual channel DDR2 memory, two Gigabit Ethernet ports, one expansion PCI-Express x1 slot and one PCI slot. Base on integrated graphic media accelerator (GMA) X3100

graphic device, WADE-8068 can support high 3D performance dual display by VGA and LVDS. With enriched serial ports make WADE-8068 can be adopted for diversity applications such as Panel PC, Lottery, Medical, Gaming and Digital Signage.

SYSTEM

CPU	Intel® Core™ 2 Duo and Intel® Celeron® M processor (Socket P)
FSB	800/533 MHz
BIOS	Award BIOS
System Chipset	Intel® GME965 & ICH8ME Chipset
System Memory	Two 200-pin SO-DIMM support dual channel DDR2 SDRAM up to 4GB
Storage	2 xSerial ATA connector high-speed data transfers at up to 3Gb/s
SSD	1 x Compact Flash
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
H/W Monitor	FAN Speed(CPU and System), Temperature(CPU and System), Voltage, Case open function
GPIO	On board programmable 16-bit Digital I/Os
Expansion	One PCI slot and one PCI-E x 1 slot (with PCI-E x 4 signal)

I/O

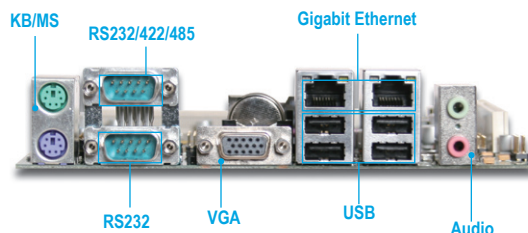|	
MIO	1 x LPT, 3 x RS232 port, 1 x RS232/422/485 selectable, 1 x K/B, 1 x Mouse
USB	4 x USB 2.0 ports and 4 x USB 2.0 ports with header
Audio Interface	Mic-in, Line-out, High Definition Audio 7.1 channel
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant (Intel® 82566MM and Realtek 8111C)

DISPLAY

Chipset	Intel® GME965 GMCH Integreated Intel® GMA x3100 Graphic device
Display Memory	Intel® DVMT 4.0 supports up to 384MB video memory
Resolution	Analog Display: Up to 2048 x 1536 (QXGA) Digital LVDS: Up to 1600 x 1200 (UXGA)
Multi Display	24bit, dual channel LVDS / VGA

MECHANICAL & ENVIRONMENTAL

Power Requirement	+12V(System) @ 2.66A; +5V @ 3.74A; +3.3V @ 0.83A
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-8068**
  Intel® Core™ 2 Duo and Intel® Celeron® M processor Based Mini-ITX Board with VGA, 24-bit LVDS, Dual GbE LAN, Four COM Ports and Eight USB 2.0 Ports

- **PEP-581R/582R**
  One/Two slots PCI riser card

- **PEP-592R**
  One PCI and one PCI-E x4 slot riser card

- **PER-4210R**
  One slot PCI-E x4 riser card

- **B9970540**
  1U active heatsink