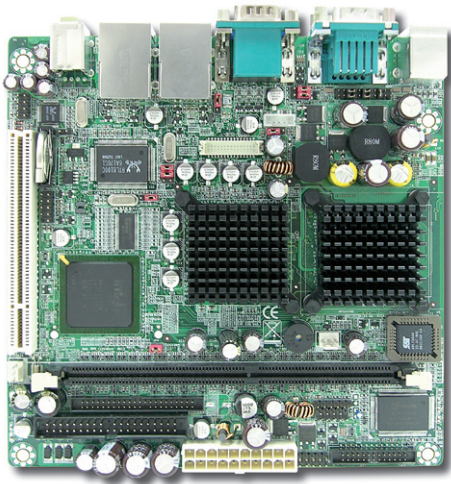


WADE-8041

Cost-effective Ultra Low Voltage Intel® Celeron® M Processor based Mini-ITX Board with Dual Displays, Four COM Ports, Dual Ethernet ports, six USB ports and Audio



FEATURES

- Ultra Low Voltage Intel® Celeron® M processors
- Max. 1GB, DDR SDRAM
- Dual Display by VGA/LVDS
- AC97 Audio interface
- Two 10/100Mbps LANs and one PCI slot
- Max. four COM and six USB 2.0 ports

The WADE-8041 is a cost-effective Mini-ITX embedded board for applications that need low power consumption. Built with Ultra Low Voltage Intel® Celeron® M processors, WADE-8041 generates the computing power necessary for most embedded

applications. Its dual video feature also enables the use of two displays simultaneously. Its four COM and Six USB ports provide an immediate interface to a range of peripherals.

SYSTEM

| | |
|--------------------|--|
| CPU | Ultra Low Voltage Intel® Celeron® M 600MHz (512KB cache) processor |
| FSB | 400 MHz |
| BIOS | Award BIOS |
| System Chipset | Intel® 82852GM & 82801DB ICH4 |
| System Memory | 1 x 184-pin DDR 266 DIMM socket supports up to 1 GB |
| Storage | 2 x Ultra DMA133/100/66/33 support four IDE devices by one 40-pin and one 44-pin IDE connector |
| SSD | 1 x CompactFlash Type I/II socket |
| 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 PCI slot |

I/O

| | |
|--------------------|--|
| MIO | 2 x EIDE, 1 x LPT, 3 x RS232, 1 x RS232/422/485 selectable, 1 x K/B, 1 x Mouse |
| IrDA | IrDA 1.0 compliant |
| USB | 4 x USB 2.0 ports and 2 x USB 2.0 with header |
| Audio Interface | Mic in, Line out |
| Ethernet Interface | IEEE 802.3 10/100 BASE-T Ethernet compliant (Realtek 8100C) |

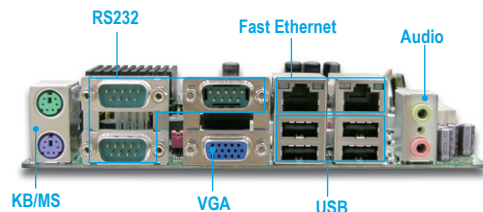
DISPLAY

| | |
|----------------|---|
| Chipset | Intel® 82852GM (MCH) |
| Display Memory | Integrated Intel® Graphics share system memory to 64 MB |
| Resolution | Analog Display: Up to 2048 x1536 (QXGA) Digital LVDS: Up to 1600 x 1200 (UXGA) |
| LVDS | Dual Channel 24-bit |

MECHANICAL & ENVIRONMENTAL

| | |
|-----------------------|---|
| Power Requirement | 16W (Intel® Celeron® M 1GHz CPU with 256MB system memory in DOS 6.22) |
| Operating Temperature | 0~55°C |
| 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 GUIDE

- **WADE-8041-600**
Intel® Celeron® M 600MHz (512KB cache) Based Mini-ITX Board with VGA, LVDS, Audio, Dual LANs and Six USB 2.0 ports
- **WADE-8041**
Intel® Celeron® M processors Based Mini-ITX Board with VGA, LVDS, Audio, Dual LANs and Six USB 2.0 ports
- **WADE-8041-1G**
Intel® Celeron® M 1GHz (zero cache) Based Mini-ITX Board with VGA, LVDS, Audio, Dual LANs and Six USB 2.0 ports
- **PEB-581R/582R**
One/Two slots PCI riser card
- **B9970540**
1U active heatsink