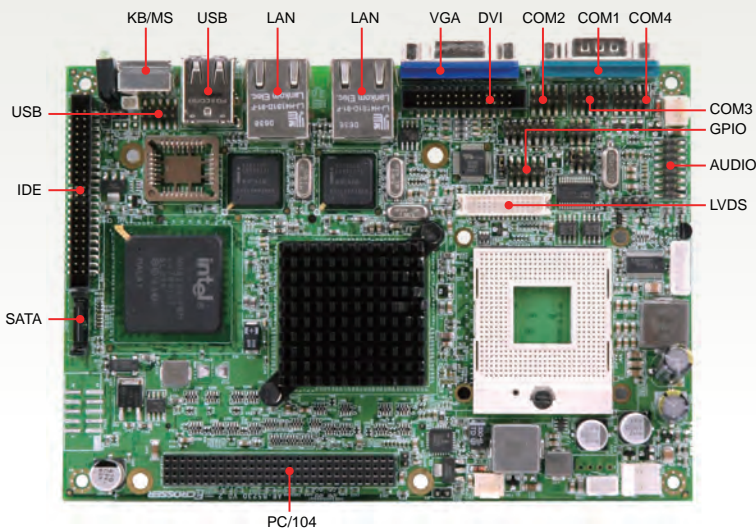


AR-B5231

EPIC SBC support Intel uFC-PGA 478 Pentium/Celeron M,
with LAN/VGA/LVDS/5.1 CH Audio

Embedded SBC



Features

- ✓ Intel 910GML + ICH6M
- ✓ Support Pentium/Celeron M
- ✓ Support 400/533MHz DDR2 SDRAM
- ✓ VGA/DVI/LVDS
- ✓ 2 x Giga LAN
- ✓ PCI-104 Expansion
- ✓ COM, USB2.0, GPIO, SATA, IDE, CF II, Audio

Specification

| System | |
|----------------------------|--|
| CPU | Socket 478 support Intel Pentium/Celeron M |
| Chipset | Intel 910GML + Intel ICH6M |
| Front Side Bus | 400MHz |
| Memory | 1 x 200-pin SO-DIMM socket support 400/533MHz DDR2 SDRAM up to 1GB |
| Video | |
| Graphic Controller | Intel 910GML integrated GMA 900 graphic controller |
| Video Memory | DVMT 3.0, Maximum 128MB shared |
| Video Interface | <ul style="list-style-type: none"> • 1 x VGA port (DB15) • 1 x DVI (Pin header) • 1 x Dual Channel 18-bit LVDS (Pin header) |
| Storage | |
| IDE | 1 x E-IDE (44-pin) |
| SATA | 1 x SATA I port |
| CF | 1 x Compact Flash Type I/II socket (support UDMA) |
| SD | - |
| I/O | |
| Expansion Slot | 1 x PCI-104 |
| Ethernet | 1 x Gbps RJ45 with LED, Intel WG52874L |
| Serial Port | 3 x RS-232, 1 x RS-232/422/485 (1 x DB9, 3 x pin header) |
| USB | 4 x USB2.0 (2 x external port, 2 x pin header) |
| GPIO | 8-bit Digital I/O |
| Parallel Port | - |
| PS/2 | 1 x PS/2 |
| Audio | Realtek ALC655 |
| Hardware Feature | |
| Hardware Monitoring | <ul style="list-style-type: none"> • CPU voltage • CPU and system temperature • CPU and fan speed |
| WatchDog Timer | Software programmable 1~63 sec. |

| Power Requirement | |
|--------------------------|--|
| Power Input | 12V (+/-5%) single voltage input |
| Power Consumption | 44.4W without external devices, 3.7A@12V |
| Software | |
| OS Support | Windows XP/XP Embedded/CE, Linux |
| Mechanical & Environment | |
| Dimension | 115mm x 165mm (4.53" x 6.50") |
| Weight | Net: 230g (0.5Lb) |
| Operating Temp. | 0~60°C (32~140°F) |
| Storage Temp. | -20~80°C (-4~176°F) |
| Relative Humidity | 0 to 90% @ 40°C, non-condensing |
| Safety | CE, FCC class A |
| Packing List | |
| | <ul style="list-style-type: none"> • 1 x AR-B5231 • 1 x Quick user guide • 1 x Utility CD • 1 x CPU heat sink |
| Ordering Information | |
| AR-B5231 | EPIC board with Intel Pentium/Celeron M, Giga LAN, VGA, SATA, CF II, Audio, USB2.0 |
| AR-B5231CM1GZC | EPIC board with Intel Celeron M 1GHz Zero L2 cache, Giga LAN, VGA, SATA, CF II, Audio, USB2.0 |
| AR-B5231CM6C | EPIC board with Intel Celeron M 600MHz 512K L2 cache, Giga LAN, VGA, SATA, CF II, Audio, USB2.0 |
| Accessory | <p>ACC-5231:</p> <ul style="list-style-type: none"> • 1 x Power cable (ATX) • 1 x Power cable (AT) • 1 x IDE cable (40/44-pin) • 1 x PS/2 keyboard and mouse cable • 1 x Audio cable (Line-in/Line-out/Mic-in) • 1 x USB cable • 2 x COM port (DB9) |