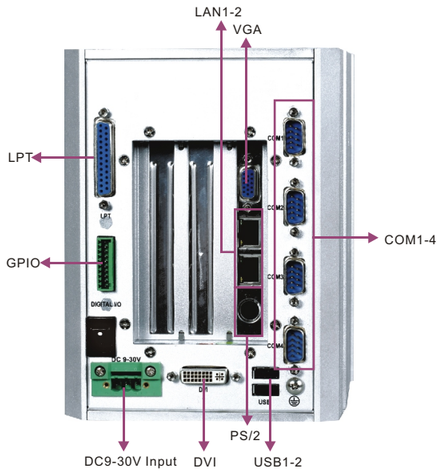
# MEC-0031

**Ultra-low-power Fanless Industrial Embedded PC**




## Features

- Onboard low-power Intel® Celeron® M 600M/Pentium® M 1.4G CPU
- Onboard 256MB DDR, and 1 x 200-pin SO-DIMM, up to 1GB DDR
- Supports 2 x 10/100 Mbps Ethernet interface
- Supports 2 x USB2.0, 4 x COM, 1 x LPT, 1 x VGA, 1 x DVI, 1 x PS/2 port(KB/MS), 1 x CF(optional)
- Fanless design and compact architecture

## Specifications

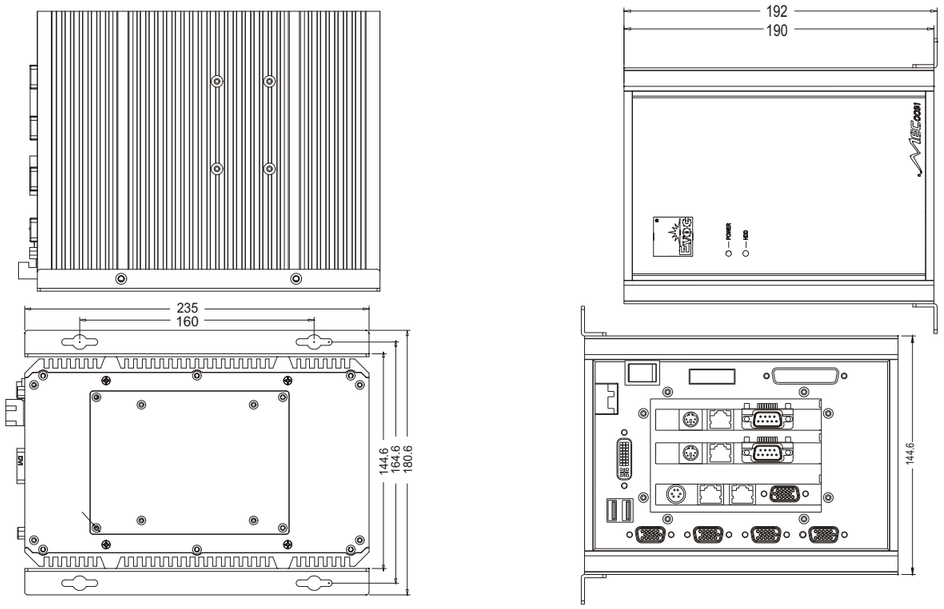
| System | |
|---|---|
| Processor | Onboard low-power Intel® Celeron® M 600M/Pentium® M 1.4G CPU |
| Chipset | Intel® 852GM + ICH4 |
| Memory | Onboard 256MB and 1 x 200-pin SO-DIMM, supporting up to 1.0GB DDR memory |
| Expansion Interface | 2 x PCI solts |
| **Storage** | |
| IDE | 1 x ultra ATA 66/100 interface |
| Serial ATA | N/A |
| Floppy | 1 x FDD(reserved) |
| CF | 1 x CompactFlash socket type I/II |
| DOC/DOM | N/A |
| **I/O Interface** | |
| USB | 2 x USB2.0 port |
| Serial Port | 3 x RS-232, 1 x RS232/422/485(COM2) |
| Parallel Port | 1 x LPT |
| IrDA | 1 x IrDA (reserved) |
| GPIO | 4 x GPI, 4 x GPO |
| Audio | N/A |
| **Display** | |
| Chipset | Intel® 852GM integrated graphics acceleration controller 350MHz |
| Memory | 64MB shared memory |
| Resolution | VGA mode up to 1920 x 1400@60Hz, 1600 x 1200@85Hz |
| Dual Display | Supports VGA+DVI dual display |

| Ethernet | |
|---|---|
| Chipset | Realtek RTL8139DL |
| Speed | 10/100Mbps |
| Connector | 2 x RJ45 |
| **Mechanical and Environmental** | |
| Dimensions | 235mm(W) x 192mm(H) x 180mm(D) |
| Reliability | MTBF≥30000h; MTTR≤0.5h |
| Operating Temperature | -5 C~+55 C |
| Storage Temperature | -40 C~60 C |
| Operating Humidity | 5%-90%, 40℃ non-condensing |
| **Power** | |
| Power Supply | DC9V~30V power supply or external 90W AC adapter input AC |
| Power Consumption | 100~240V, 50~60Hz power supply |
| **Operating System** | |
| Windows OS | Windows 98SE/ Windows 2000/ Windows XP |
| Embedded OS | Linux/XP Embedded/Window CE |
| **Test** | |
| Vibration | 5-19Hz/1.2mm; 19-200Hz/1.2g |
| Shock | 15g acceleration, 11ms pulse |
| EMC/EMI | Standard GB9254-1998 Class A |


The images are for reference only, and all product specifications are subject to change without notice.



## Dimensions




## Available Accessories

| Part Number | Name | Description | Qty. |
|---|---|---|---|
| 2360-015381 | AC power cable/RoHS | AC power connector (male) to 2-pin plug (female), length: 1500mm | 1 |
| | User's Manual/Chinese/RoHS | MEC-0031/Long March series | 1 |
| 2360-020791 | HDD cable/RoHS | IDC 2x20-pin to IDC 2x20-pin, length: 100mm, UL2651 28AWG | 1 |
| 2360-017861 | HDD cable/RoHS | SATA7-pin/90° to SATA7-pin/length: 150mm/26AWGUL2725 | 1 |
| 2391-001451 | Bolt/RoHS | Countersunk head M4x8/head Φ6.8/GB-T819-1985 | 4 |
| 2391-001311 | Bolt/RoHS | Pan head M4x10/GB-T818-1985 | 4 |
| 1481-018071 | Bracket for complete PC/0031/RoHS | Blank/245x43x2/silver coating | 2 |
| 2330-000041 | Jumper/RoHS | 2.54mm pitch, blue | 1 |
| | Driver CD (protective film) | MEC-0031 | 1 |

## Ordering Information

| Part Number | Model Number | Description |
|---|---|---|
| 0010-000121 | MEC-0031-01/80G/256M/CM 600M | Complete PC/RoHS: Celeron-M 600M 512K/256M/80G/90W power supply/ HPC-1711CLD2N/PCI-6103P2(B) |
| 0010-008661 | MEC-0031-01/CM 600M/256M/CF card1.0G | Complete PC/RoHS: Celeron-M 600M 512K/256M/CF card1.0G/ 90W POWER SUPPLY/HPC-1711CLD2N/PCI-6103P2(B) |
| 0010-000131 | MEC-0031-02/80G/512M/PM 1.4G | Complete PC/RoHS: Pentium-M 1.4G/512M/80G/90W power supply/ HPC-1711CLD2N-PM1.4G/PCI-6103P2(B) |
| 0010-008751 | MEC-0031-02/PM 1.4G/512M/CF card1.0G | Complete PC/RoHS: Pentium-M 1.4G/512M/CF card1.0G/90W power supply/ HPC-1711CLD2N-PM1.4G/PCI-6103P2(B) |
| 0010-000120 | MEC-0031-01/160G/256M/CM 600M | Complete PC: Celeron-M 600M 512K/256M/160G/90W power supply/ HPC-1711CLD2N/PCI-6103P2(B) |
| 0010-008660 | MEC-0031-01/CM 600M/256M/CF card1.0G | Complete PC: Celeron-M 600M 512K/256M/CF card1.0G/90W power supply/ HPC-1711CLD2N/PCI-6103P2(B) |
| 0010-000130 | MEC-0031-02/160G/512M/PM 1.4G | Complete PC: Pentium-M 1.4G/512M/160G/90W power supply/ HPC-1711CLD2N-PM1.4G/PCI-6103P2(B) |
| 0010-008750 | MEC-0031-02/PM 1.4G/512M/CF card1.0G | Complete PC: Pentium-M 1.4G/512M/CF card1.0G/90W power supply/ HPC-1711CLD2N-PM1.4G/PCI-6103P2(B) |
| 0020-031211 | MEC-0031/no power supply/no backplane | Empty chassis/RoHS |

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