



Features

- Onboard Intel® Celeron® J1900(2.0GHz) SoC
- 2x DDR3L SO-DIMM, Max. 8GB
- Supports VGA, DVI-D and 24-bit dual-channel LVDS
- Onboard dual Gigabit LAN
- Watchdog timer, Digital I/O, iSMART
- 1x USB 3.0, 4x USB 2.0, 6x COM, 2x SATA II
- 1x PCI-E (x1), 1x Mini PCI-E, 1x mSATA

Specifications

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|--------------------------|---|
| CPU Socket | FCBGA1170 |
| CPU | Intel® Celeron® J1900 SoC (2.0GHz, 2MB cache) |
| PCH | N/A |
| Memory Types | 2x DDR3L-1333 SO-DIMM, Max. 8GB (Non-ECC) |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | mSATA |
| Expansion Slots | 1x PCI-E (x1) |
| Mini Type Slots | 1x Mini PCI-E |
| Graphics Controller | Intel® Celeron® J1900 integrated Gen7 graphics |
| Video Output | Supports DVI-D, CRT 24-bit dual-channel LVDS |
| Ethernet | Intel® I211AT or I210AT Gigabit LAN |
| I/O Chip | Nuvoton NCT6106D |
| Serial Port | 1x RS232/422/485, 5x RS232 |
| USB 2.0 | 2x USB 2.0 on board 2x USB 2.0 via pin header |
| USB 3.X | 1x USB 3.0 on board |
| Serial ATA | 2x SATA III |
| Audio | Intel® Celeron® J1900 built-in audio + Realtek ALC269 codec |
| TPM | N/A |
| Others | 12V~24V DC-In, iSMART, Digital I/O (4-in/4-out) |
| Dimensions (L x W) | 170mm x 170mm (6.7" x 6.7") |
| Power Consumption | Intel® Celeron® J1900 2GHz w/ 8GB DDR3L-1600 +12V: 1.28A |
| Operating Temperature | 0°C~60°C (32°F~140°F) |
| Storage Temperature | -20°C~80°C (-4°F~176°F) |
| Relative Humidity | 90% (non-condensing @60°C) |

Ordering Information

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|----------|---|
| MI805F-D | Intel® Celeron® J1900 2.0GHz SoC Mini-ITX motherboard w/ DVI-D, VGA & LVDS, 2x Gigabit LAN, iSMART, with heatsink |
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Dimensions and Drawing

