

Intel Celeron J1900 Mini-ITX Embedded Board with Dual Intel Gigabit Ethernet, TPM, 7.1 Audio and POE Option



INTRODUCTION

The MITX-6770 is a thin mini-ITX embedded motherboard based on Intel Celeron Quad-Core J1900 Processor. The board features dual Intel Gigabit Ethernet ports, Power over Ethernet (PoE) option, on-board Trusted Platform Module (TPM) security feature, 7.1 HD audio and support of two mSATA slots for storage redundancy.

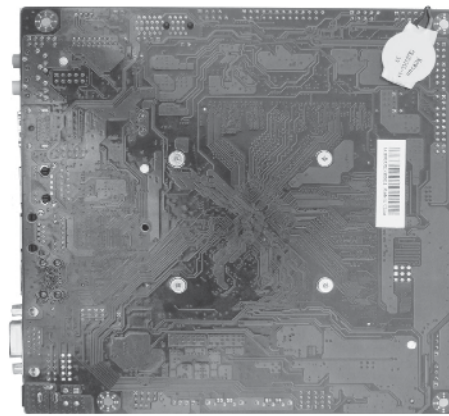
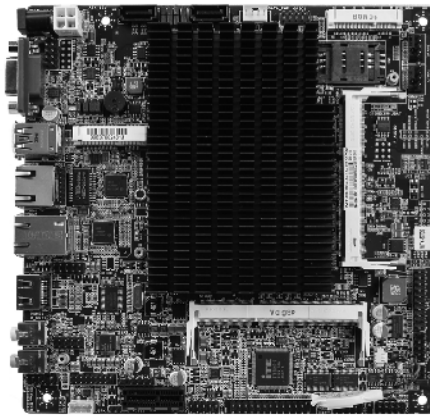
FEATURES

- Intel Celeron Quad-Core J1900 Processor
- Dual Intel I210/I211 Gigabit Ethernet Ports
- Build-in pin-header ready for POE (Power over Ethernet) option
- Dual mSATA SSD support with easy jumper selection
- HDMI+VGA and LVDS/HDMI/DP/eDP add-on interface card options
- On-board mini PCIe with SIM card connector
- Built-in Infineon Trusted Platform Module and 8-bit GPIO

SPECIFICATIONS

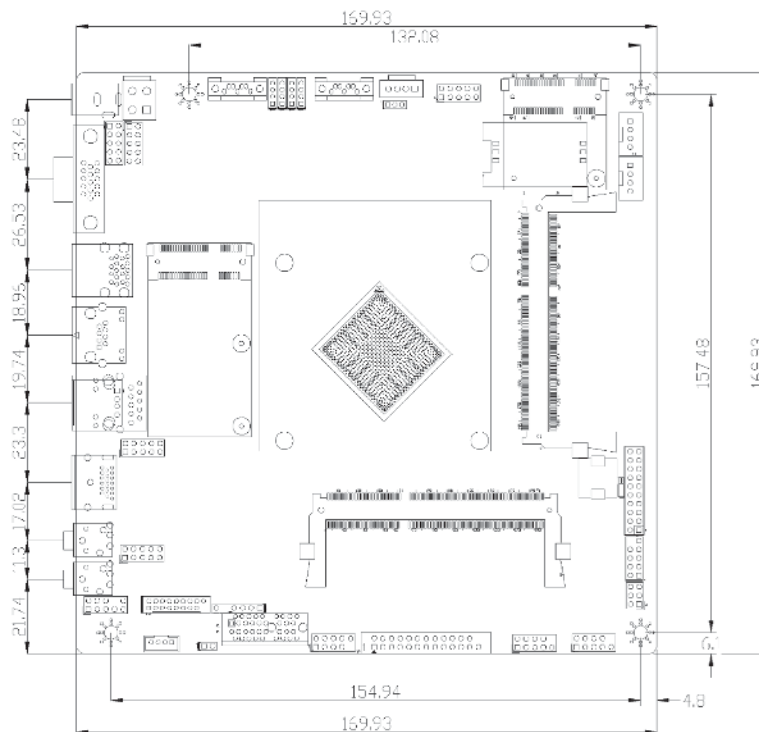
Model	MITX-6770
Platform	Intel Bay Trail
Processor	Intel Celeron J1900 (2M Cache, up to 2.42 GHz)
System Memory	2 x 204-pin SO-DIMM slot, DDR3L 1333 MHz, up to 8GB
Ethernet	2 x 10/100/1000 Mbps Intel i210/i211 GbE
Storage	2x SATA 3Gb/s or 2x mSATA (1x full-size + 1x half-size mini-PCIe), jumper selectable
Graphic	Intel HD Graphics
Display Interface	1x VGA, 1x HDMI, optional second HDMI via add-on card
LCD Interface	1x dual/single channel 18/24-bit LVDS via optional add-on card
Display Resolution	VGA - 1920 x 1200, HDMI - 1920 x 1200, LVDS - 1920 x 1200
Expansion	1x half-size mini-PCIe + USB/mSATA, 1x full size mini-PCIe x1 slot for USB or mSATA only, 1x PCIe x1 slot
I/O	2x RS-232 header 1x LPT header 1x USB2.0, 1x USB3.0, 2x USB2.0 header 8-bit GPIO, Infineon SL89635 TPM 1.2 module build-in
Audio	Realtek ALC892, Line-out and MIC-in jack, 7.1 audio header, amplified speaker out
Watchdog timer	Programmable timer system reset
Cooling	Fanless
Power Input	12V DC 2.5mm power jack
Form Factor	mini-ITX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)
Operating Humidity	5% ~ 95% @ 40°C (Non-Condensing)
Dimensions	170 x 170 mm (6.7" x 6.7")

LAYOUT



DIMENSIONS

Unit: mm



ORDER INFORMATION

Part No.	Description
MITX-6770S-J1900	Intel Celeron J1900 mini-ITX embedded board with Dual NIC, TPM, 7.1 Audio
MITX-6770N-J1900	Intel Celeron J1900 mini-ITX embedded board with Single NIC, TPM, 7.1 Audio
HB-6770-LVDS	DDI LVDS Add-on Card for MITX-6770
HB-POE1230	POE+ 802.3at Add-on Module