FEATURES

- Intel Celeron J1900 Bay Trail 2.42 GHz
- Dual Intel Intel I210/I211 Gigabit Ethernet Ports
- Build-In PoE Option
- HDMI + VGA & LVDS/HDMI/DP/eDP Add-On Option
- Dual mSATA SSD Support With Easy Jumper Selection

The MITX-6770 is a thin embedded board powered by the Intel® Celeron J1900 Quad-Core Processor designed to meet the increasing demand for a variety of network connectivity, higher network performance, flexible storage options and improved security for the Internet of things (IoT). The board features dual Intel Gigabit Ethernet ports, a 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.

SPECIFICATIONS

SYSTEM

Processor	Intel Celeron J1900 (2M Cache, Up To 2.42 GHz)
Platform	Intel Bay Trail
Graphic Controller	Intel HD Graphics
Memory	2x 204-pin SO-DIMM Slot, DDR3L 1333 MHz, Up To 8GB
Storage	2x SATA 3Gb/s Or 2x mSATA (1x Full-Size + 1x Half-Size Mini-PCIe), Jumper Selectable

DISPLAY

Interface	1x VGA 1x HDMI **Option:** Second HDMI Via Add-On Card
LCD Interface	1x Dual/Single Channel 18/24-bit LVDS Via Optional Add-On Card
Resolution	VGA - 1920 x 1200 HDMI - 1920 x 1200 LVDS - 1920 x 1200

COMMUNICATIONS

Ethernet	2x 10/100/1000 Mbps Intel i210/i211 GbE

I/O INTERFACE

Audio	Realtek ALC892 Line-Out & MIC-In Jack 7.1 Audio Header Amplified Speaker Out
Ports	2x RS-232 Header 1x LPT Header 1x USB 2.0 1x USB 3.0 2x USB 2.0 Header 8-bit GPIO, Infineon SL89635 TPM 1.2 Module Build-In

EXPANSION I/O

Expansion	1x Half-Size Mini-PCIe + USB/mSATA 1x Full Size Mini-PCIe x1 Slot For USB Or mSATA Only 1x PCIe x1 Slot

MECHANICAL

Cooling	Fanless
Watchdog Timer	Programmable Timer System Reset
Form Factor	Mini-ITX
Dimensions	170mm x 170mm (6.7" x 6.7")

POWER

Input Voltage	12V DC 2.5mm Power Jack

ENVIRONMENTAL

Operating Temp	0°C to 60°C (32°F to 140°F)
Storage Temp	-40°C to 85°C (-40°F to 185° F)
Humidity	5% to 95% @ 40°C (Non-Condensing)

*Specifications are representative. Specific product technology may be different than indicated.

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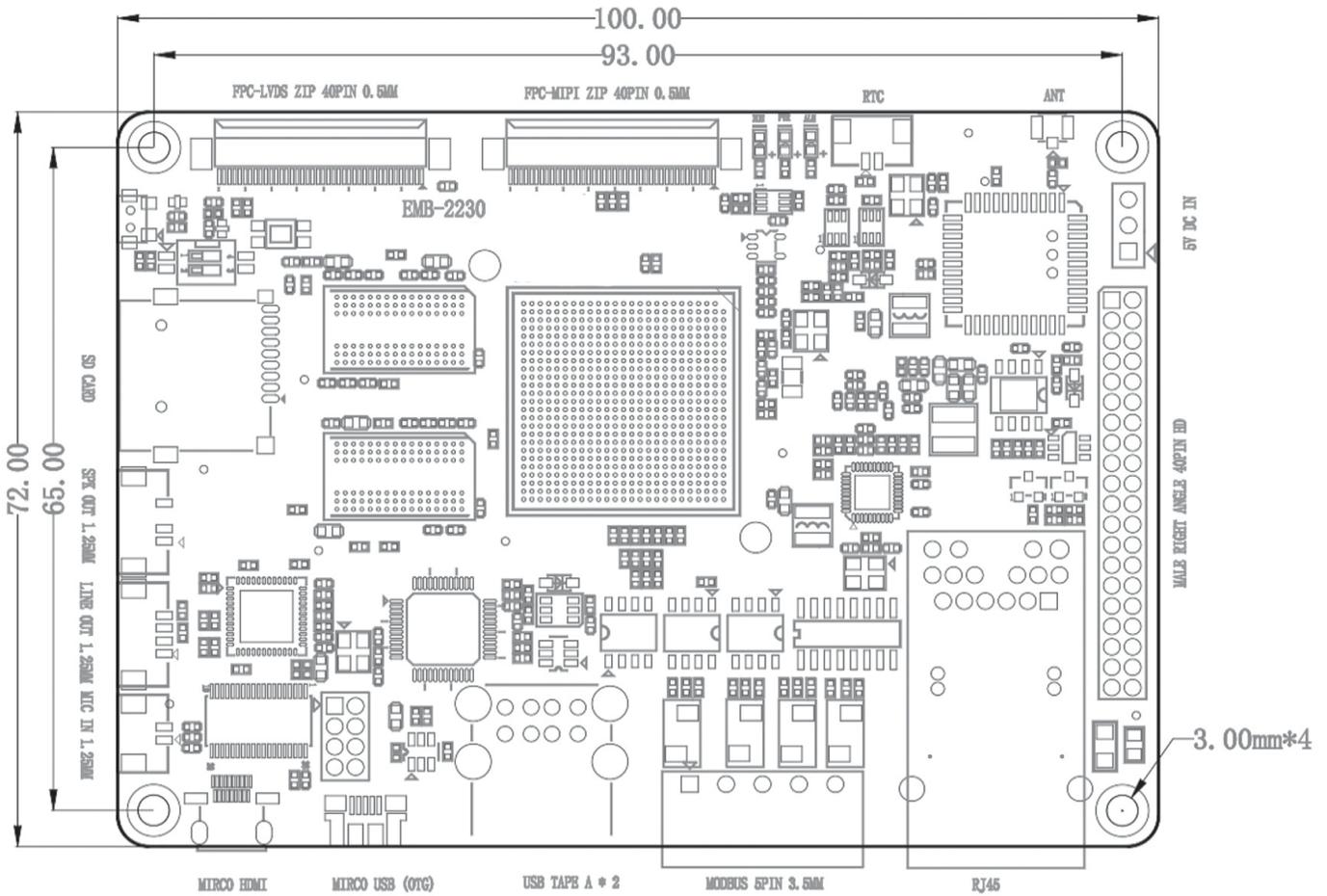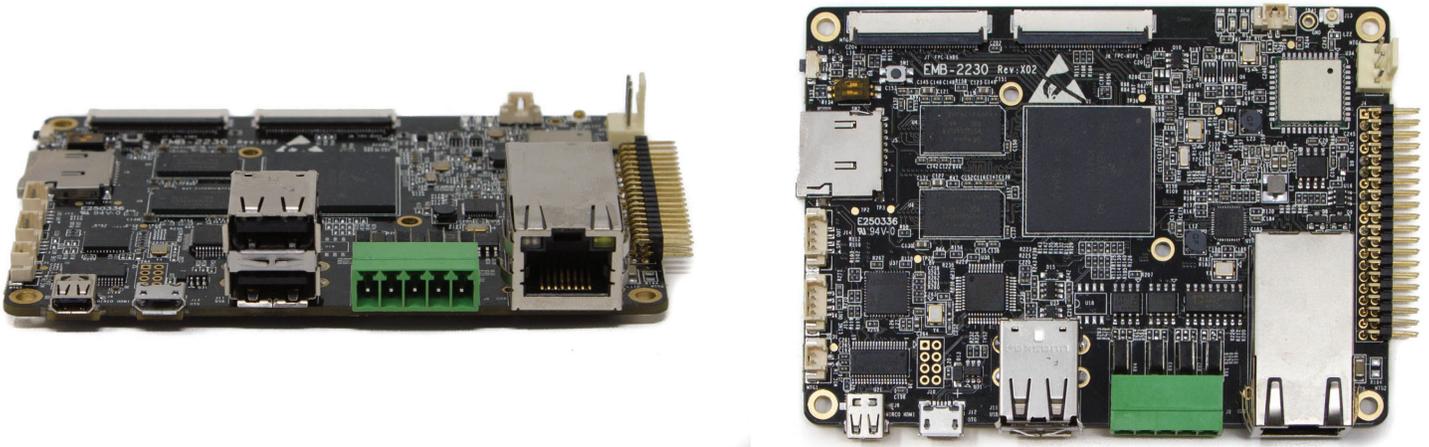
ORDER OPTIONS

PART NUMBER	DESCRIPTION
EMB-2230DL	NXP i.MX6 Dual-Lite With Single NIC
EMB-2230Q	NXP i.MX6 Quad-Core With Single NIC
IOB-4210	Second NIC Add-On Module With DC In
POE-4210	POE Add-On Module
PPC-4210	10.1" Touch Panel PC Development Kit With EMB-2230DL

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