

FEATURES

- Intel Quad-core Atom x5-Z8350 Processor
- One Gigabit Ethernet Port, One WiFi / Bluetooth Module
- Built-in PoE (Power over Ethernet) Option
- On-board RAM, iNAND Flash and Micro SD Slot
- LVDS, eDP, MIPI DSI for LCD Panel Support, Built-in Touch Controller
- Ultra Small Form Factor and Ultra Slim Configuration Option
- Rich I/O with RS232/RS485, I²C, and USB 2.0/3.0 Ports

The EMB-2610 is a Pico-ITX (100 x 72mm) industrial motherboard based on Intel Atom x5-Z8350 Processor. The board features a Power over Ethernet (PoE) ready Gigabit Ethernet port, on-board WiFi/BT, multiple LCD panel display interfaces support, and full set of I/Os including RS232/RS485, digital IO and more.

SPECIFICATIONS

SYSTEM

Processor	Intel Quad-core Atom x5-Z8350 Processor @1.92GHz
Platform	Cherry Trail
Memory	On-board 2GB or 4GB DDR3L
Storage	On-board iNAND Flash, 32GB or 64GB, 1 x Micro SD Slot
OS	Support Windows 10, Windows 10 IoT, Ubuntu Linux

DISPLAY

Display Interface	1 x Micro HDMI
LCD Interface	1 x LVDS/eDP and 1 x MIPI DSI for 7", 8", 10.1" and other Size LCD Panel
Display Resolution	HDMI - 1920 x 1080, LVDS/eDP/MIPI DSI - 1920 x 1200

COMMUNICATIONS

Ethernet	1 x 10/100/1000 Mbps GbE PoE Option
Wireless	1 x WiFi / Bluetooth Module

POWER

Power Input	12V/19V DC Header or PoE
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I/O INTERFACE

Audio	Line-out, MIC-in, Headphone, Spaker Out Header (Up to 10W)
Watchdog Timer	Programmable Timer System Reset
I/O Ports	1 x RS232/RS485 Terminal Block, 1 x RS232 Header 1 x USB 2.0 Type A 1 x USB 2.0/3.0 Type A 1 x USB 2.0 Header 1 x Micro USB 2.0 4+ GPIO, 2 x I ² C (for TP and MIPI CSI) 1 x MIPI CSI
Expansion	1 x 40 pin Connector with PCIe x1, GPIO, Font Panel Control, PoE Power Input

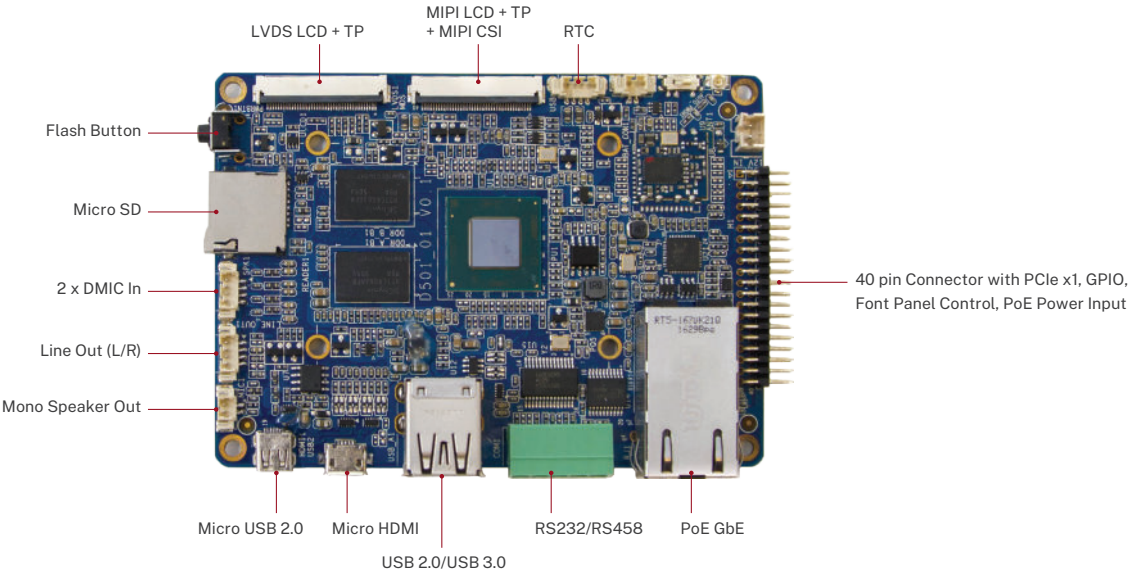
MECHANICAL

Form Factor	Embedded Pico-ITX Standard
Dimensions	100 x 72mm (3.94" x 2.83")
Cooling	Fanless

ENVIRONMENTAL

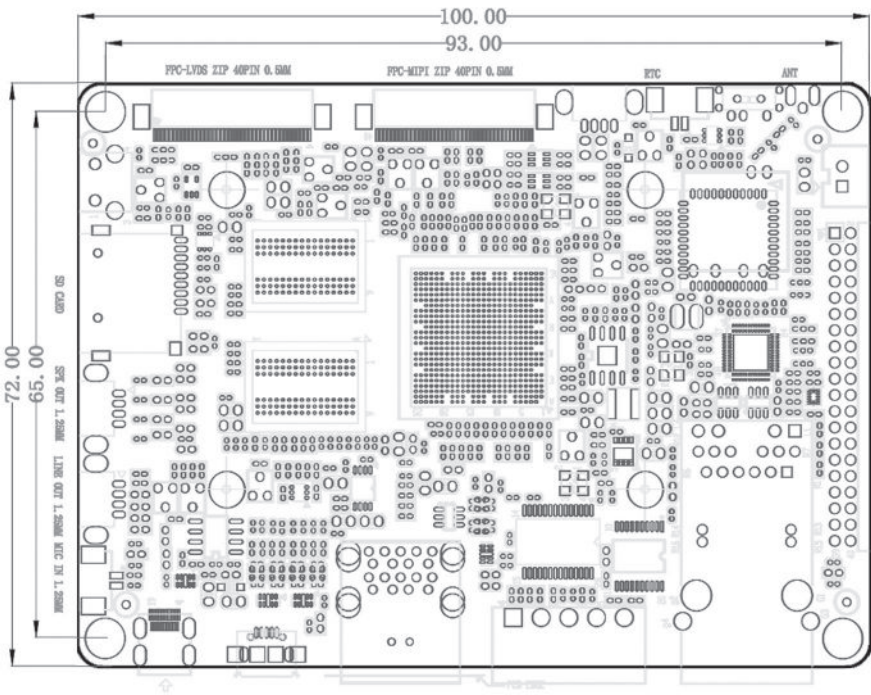
Temperature:	
- Operation	0°C to 60°C (32°F to 140°F)
- Storage	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% @ 40°C Non-condensing

SYSTEM LAYOUT



PRODUCT DIMENSIONS

Unit: mm



ORDER INFORMATION

Part No.	Description
EMB-2610S	Atom x5-Z8350, 2GB DDR3, 32GB eMMC
EMB-2610E	Atom x5-Z8350, 4GB DDR3, 64GB eMMC
HB-PoE4210	12V PoE Add-on Module