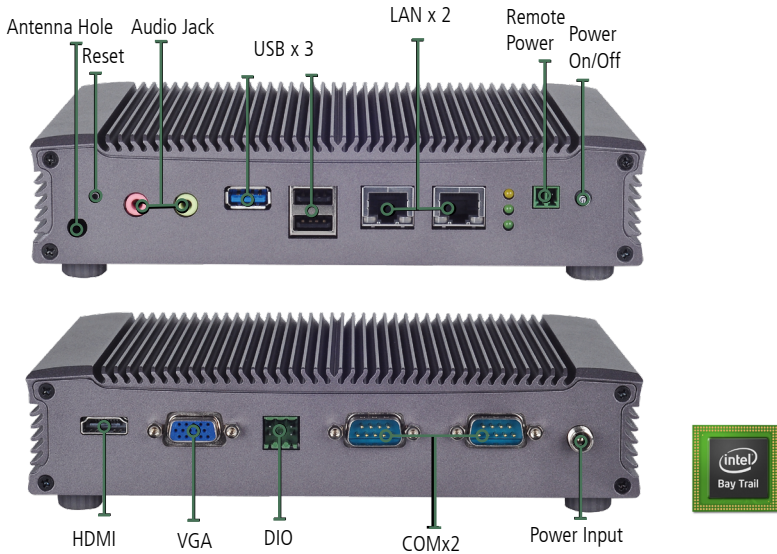


# LEC-7230

## Small Form Factor Digital Signage PC with Intel® Bay Trail CPU



## Overview

The LEC-7230 is a fanless and robust embedded box PC system utilizing the Intel Bay Trail CPU with improved graphical and media performance, including support USB 3.0, Low-powered DDR3/L and VGA/HDMI display. The system is ideal for efficient imaging workflows, digital signage with secure content delivery, visual appealing interactive clients (interactive kiosks, intelligent vending, ATM and point-of-sale(POS) terminals) and industrial control systems.

## Features

### Onboard Intel® Dual-core or Quad-core Bay Trail SoC

The new 22 nm microarchitecture SoC CPU offers double the performance and five times the energy efficiency of the previous generation.

### Fanless Design

This IPCs lifespan has been extended by removing the most easily damaged component, the fan.

### Integrated SIM Card Reader

Integrated in a mini-PCIe slot, the SIM card readers allow for users to enable 3G use for their IPC.

### Rich I/O Interfaces

This product provides rich a I/O interface, includes 2x LAN ports, 2x COM ports and 3x USB ports for communications. One of the USB ports supports the USB 3.0 standard, capable of transferring data at up to 5 Gbps.

### **Extreme Operating Temperature**

This product is ruggedized to support a wider than usual range of temperatures. Outfitted with industrial components (SSD, CF, Memory) this appliance can thrive in harsh conditions.

### **Multiple Display Ports**

This platform comes with multiple video-out ports (VGA and HDMI) to allow easy integration with any signage setup.

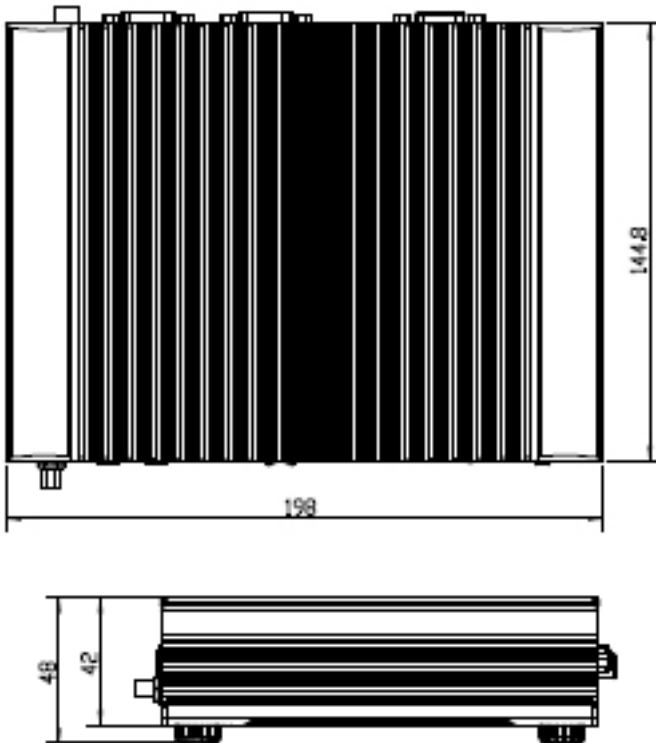
### **Dust Proof Design**

Solid chassis design with a fanless interior allows this product to be completely dustproof when installed correctly, insuring longevity of the product.

### **Flexible Mounting**

This product provides flexible mounting possibilities, including VESA, wall mounting, rack mounting and DIN rail mounting options.

## **Dimensions 198 x 42 x 144.8 mm (7.79" x 1.65" x 5.7")**



# Specifications

<b>Processor Options</b>		Intel® Celeron® J1900 / N2930, Atom™ E3845 / E3825
<b>Chipset</b>		None
<b>BIOS</b>		AMI SPI Flash BIOS
<b>System Memory</b>	Sockets	1 x 204-pin SODIMM socket
	Technology	DDR3L 1066 MHz
	Max. Capacity	Up to 8GB (J11A, N11A, E51A) ; Up to 4GB (E21A)
<b>USB</b>		2 x USB 2.0, 1 x USB 3.0 compliant hosts: Type A connector
<b>Digital I/O</b>		2 x DI and 2 x DO with +5V TTL Level
<b>Expansion Bus</b>		Mini-PCIe x 1, with SIM card reader
<b>OS Support</b>		WES 7 E, Win 7 Pro FES, Windows 10 IoT Enterprise, Linux Kernel 3.x
<b>Storage</b>	HDD/SSD Support	1 x 2.5" HDD/SSD drive bay
	Expansion	1 x CF type I/II socket, 1 x SATA port for 1 x 2.5" SSD/HDD drive bay
<b>Networking</b>	LAN	2 x 10/100/1000Mbps, Autosensing, RJ-45
	Controller	Intel i210 x 2
<b>Display</b>	Graphics Controller	Intel® integrated Graphics Media Accelerator
	Display Interface	VGA x 1 (1600 x 1200), HDMI x 1 (1920 x 1080)
<b>LEDs</b>		Power, HDD active, 3G active
<b>Physical Characteristics</b>	Housing	Aluminum
	Weight	1 kg
	Dimensions (WxHxD)	198 x 42 x 144.8 mm (7.79" x 1.65" x 5.7")
	Mounting Options	Rack, VESA, DIN rail and wall mount
<b>Environment</b>	Operating Temperature	0~55°C (with Industrial grade components)
	Storage Temperature	-20~70°C
	Ambient Relative Humidity (non-condensing)	5 to 95% (non-condensing)
<b>Power</b>	Input Voltage	+12 V DC
	Power Consumption	19 W
	Connector	DC Jack with Lock
	AC Adapter	36W, 12V/3A
<b>Standards and Regulation</b>	EMC	CE/FCC
	Green product	RoHS
<b>Reliability</b>	Alter tool	Built-in buzzer and RTC (real-time clock) with lithium battery backup
	Automatic Reboot Trigger	Watchdog Timer 1~255 level time interval system reset, software programmable
	MTBF	TBD

## Ordering Information

<b>LEC-7230-J11A</b>	Fanless Industrial PC with Intel® Celeron® J1900 (2 GHz) CPU
<b>LEC-7230-N11A</b>	Fanless Industrial PC with Intel® Celeron® N2930 (1.83 GHz) CPU
<b>LEC-7230-E51A</b>	Fanless Industrial PC with Intel® Atom™ E3845 (1.91 GHz) CPU
<b>LEC-7230-E21A</b>	Fanless Industrial PC with Intel® Atom™ E3825 (1.33 GHz) CPU

## Standard Accessories

<b>080W1N0002001</b>	SATA SSD/HDD cable w/ power
<b>0P0W000008000</b>	AC Power Adapter 36W 12V/3A, 2.5mm C6 with Lock

## Optional Power Cords

<b>080W240318306</b>	US Power Cord
<b>080W240318305</b>	Schuko (EU) Power Cord
<b>080W240318301</b>	UK Power Cord
<b>080W240318307</b>	China Power Cord
<b>080W240318309</b>	Japan Power Cord

## Optional Mounting kit

<b>SE9ESA900R100</b>	Wall Mount 4
<b>PE9ESA8300100</b>	VESA Mount
<b>SE9ESA8310100</b>	Rack Mount
<b>090W405000001</b>	DIN Rail Mount

## Optional Accessories

<b>0TAWQ802XKZ03</b>	Wi-Fi module	Wi-Fi Module, 802.11 b/g/n Mini-PCIe card
<b>080W1Q0001501</b>	Antenna	Internal Wi-Fi Antenna Cable
<b>0TZW000000039</b>	Antenna	SMA Antenna, male jack/female plug
<b>080W0Q0000501</b>	Antenna	Internal Antenna cable for 3G/GPS module
<b>0TZW000000072</b>	Antenna	3G Module External Antenna

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