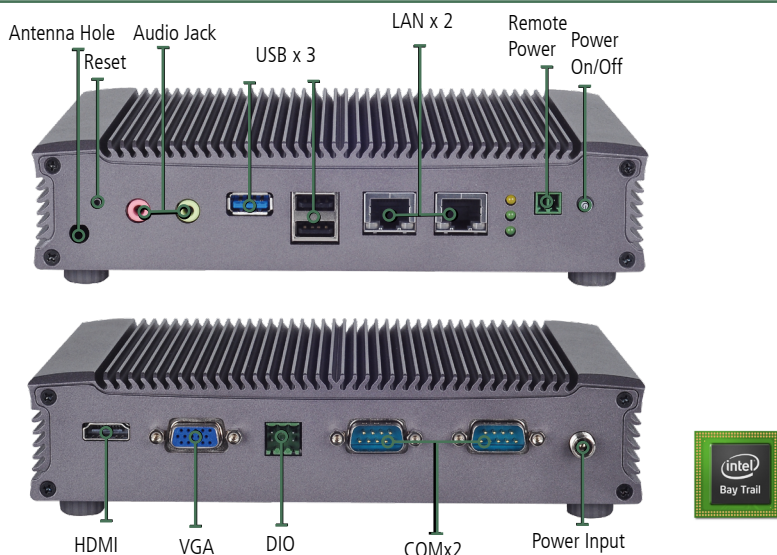


LEC-7230

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 IPC's 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 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.

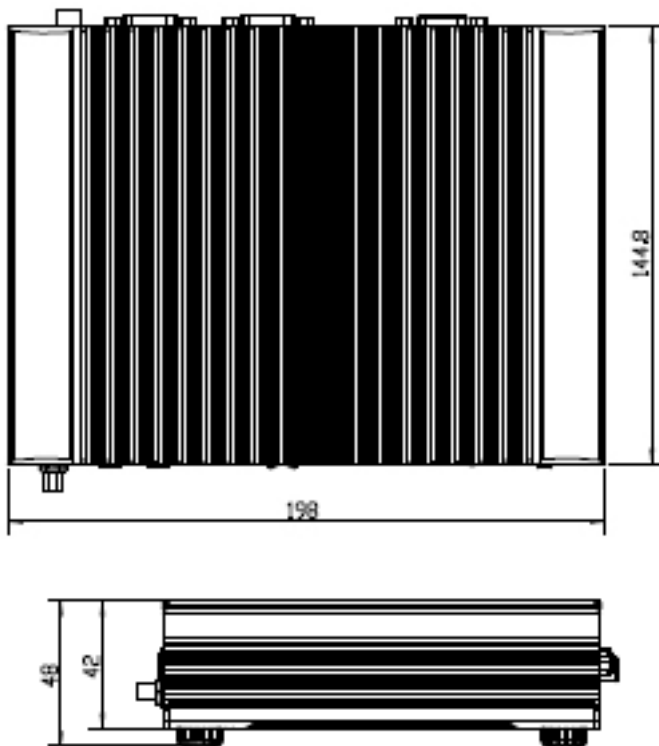
Dust Proof Design

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

Processor Options		Intel® Celeron® J1900 / N2930, Atom™ E3845 / E3825
Chipset		None
BIOS		AMI SPI Flash BIOS
System Memory	Sockets	1 x 204-pin SODIMM socket
	Technology	DDR3L 1066 MHz
	Max. Capacity	Up to 8GB (J11A, N11A, E51A) ; Up to 4GB (E21A)
USB		2 x USB 2.0, 1 x USB 3.0 compliant hosts: Type A connector
Digital I/O		2 x DI and 2 x DO with +5V TTL Level
Expansion Bus		Mini-PCIe x 1, with SIM card reader
OS Support		WES 7 E, Win 7 Pro FES, Windows 10 IoT Enterprise, Linux Kernal 3.x
Storage	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
Networking	LAN	2 x 10/100/1000Mbps, Autosensing, RJ-45
	Controller	Intel i210 x 2
Display	Graphics Controller	Intel® Integrated Graphics Media Accelerator
	Display Interface	VGA x 1 (1600 x 1200), HDMI x 1 (1920 x 1080)
LEDs		Power, HDD active, 3G active
Physical Characteristics	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
Environment	Operating Temperature	0~55°C (with Industrial grade components)
	Storage Temperature	-20~70°C
	Ambient Relative Humidity (non-condensing)	5 to 95% (non-condensing)
Power	Input Voltage	+12 V DC
	Power Consumption	19 W
	Connector	DC Jack with Lock
	AC Adapter	36W, 12V/3A
Standards and Regulation	EMC	CE/FCC
	Green product	RoHS
Reliability	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

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

Standard Accessories

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

Optional Power Cords

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

Optional Mounting kit

SE9ESA900R100	Wall Mount 4
PE9ESA8300100	VESA Mount
SE9ESA8310100	Rack Mount
090W405000001	DIN Rail Mount

Optional Accessories

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