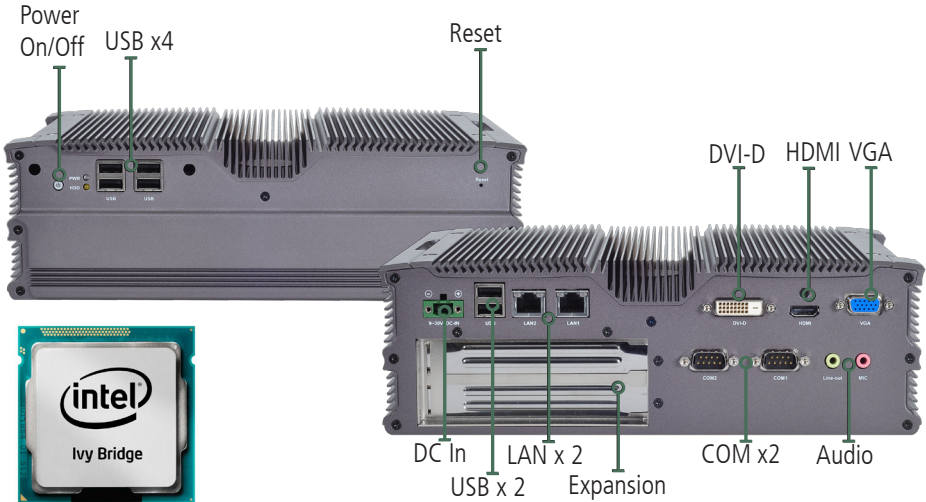


# LEC-2280P2

Fanless Industrial PC with  
3rd Gen Intel® Core™ i7/i5/i3 CPU



## Features

### Intel Ivy Bridge Platform

The 22nm Ivy Bridge processors outperform its predecessor, Sandy Bridge, with a 5%~15% increase in CPU performance and 25%~68% increase in integrated GPU performance.

Ivy Bridge processors' 3-D Tri-Gate transistor technology consumes up to 50% less power than 2-D transistors at the same performance level. Those who upgrade to Ivy Bridge will see an increase in performance and a reduction in power consumption.

### Fanless

This IPC's lifespan is extended with the removal of the most easily damaged component, the fan.

### Multi-Screen Support

This platform comes with multiple video-out ports and can support separate video streams on dual displays.

### Integrated SIM card reader

Integrated in one of the mini-PCIe slots, the SIM card reader, allows for users to enable 3G use for their IPC.

## Expandable PCI Slots

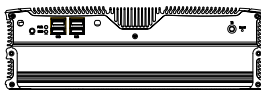
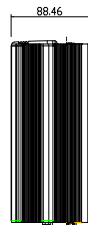
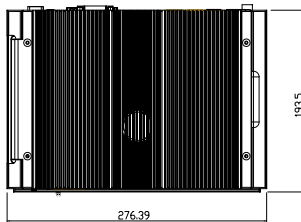
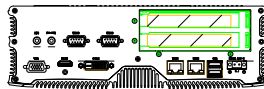
The product has additional space for 2 PCI expansion, allowing flexibility for whichever type of expansion per customers' needs and requirements.

## Multi I/O Expansion Layer

LEC-2280 has an unique Multi I/O (MIO) Expansion Layer that makes it easier to get the I/O configuration you need. From the main board there is also an I/O connector that fits with a plug-in I/O card which you can customize

by choosing from a selection of ports you need - Audio, DI/DO, Serial, USB, LAN, and eSATA. There is also a drive bay area with SATA connectors for a 2.5" HDD or SSD. This connection can also be used to create an external CompactFlash socket.

**Dimensions 276.39 x 88.46 x 193.5mm [10.88" x 3.48" x 7.62"]**



# Preliminary Specifications

<b>Processor Options</b>		3rd Gen Intel® Core™ i7/i5/i3
<b>Chipset</b>		Intel® HM65
<b>BIOS</b>		AMI 32bit SPI UEFI BIOS
<b>System Memory</b>	Sockets	2 x 204-pin SODIMM socket
	Technology	DDR3 1333/1600 MHz
	Max. Capacity	Up to 16 GB
<b>USB</b>		6x USB 2.0 compliant hosts: Type A connector
<b>Expansion Bus</b>		Mini-PCIe x2: one with SIM card reader; PCI slot x 2
<b>OS Support</b>		Microsoft Window 7/7 Embedded/XP/XP Embedded, Linux 2.6.32 or later
<b>Storage</b>	HDD/SSD Support	1x 2.5" HDD/SSD drive bay
	Expansion	1xSATA port for 1x 2.5" SSD/HDD driver bay
<b>Networking</b>	LAN	2x10/100/1000Mbps, Autosensing,RJ-45
	Controller	Intel 82574L x2
<b>Display</b>	Graphics Controller	Intel® HD Graphics 4000
	Display Interface	HDMI x1, VGA x1, DVI-D x1
<b>Audio</b>	Audio Controller	Realtek ALC886
	Audio Interface	Phone Jack x2 for Mic-in and Line-Out
<b>LEDs</b>		Power, HDD active
<b>Physical Characteristics</b>	Housing	(SECC) Sheet Metal
	Weight	3.3 kg (N.W.) / 5.9 kg (G.W.)
	Dimensions (W x H x D)	276.39 x 88.46 x 193.5mm (10.88" x 3.48" x 7.62")
	Mounting Options	Wall mount -4
<b>Environment</b>	Operation Temperature	-20~55°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	+9~30V
	Power Consumption	TBD
	Connector	2-pin terminal block with lock
	AC Adapter	75W 19V/3.95A
<b>Standard and Regulation</b>	EMC	CE/FCC
	Green product	RoHS
<b>Reliability</b>	Alter tool	Built-in buzzer and RTC (real-time clock) with battery lithium backup
	Automatic Reboot Trigger	Watchdog Timer 1~255 level time interval system reset, software programmable
	Warranty	2 Years
	MTBF	TBD

## Ordering Information

<b>LEC-2280P2-3A</b>	Fanless Industrial PC with Intel® Core™ i3-3120ME CPU with Dual PCI expansions
<b>LEC-2280P2-5A</b>	Fanless Industrial PC with Intel® Core™ i5-3610ME CPU with Dual PCI expansions
<b>LEC-2280P2-7A</b>	Fanless Industrial PC with Intel® Core™ i7-3555LE CPU with Dual PCI expansions
<b>LEC-2280P2-7B</b>	Fanless Industrial PC with Intel® Core™ i7-3612QE CPU with Dual PCI expansions

## Standard Accessories

<b>SE9ESA900R100</b>	Wall Mount - 4
<b>04AW20021E101</b>	2-pint Terminal block for power input
<b>080W1N0002001</b>	SATA SSD/HDD cable w/ power
<b>0P0W075190001</b>	RoHS 75W 19V/3.95A FSP075-DMAB1(L06001) 9NA0750700 Phoenix Contact

## 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>PE9ESA8300100</b>	VESA Mount
<b>090W405000001</b>	DIN Rail Mount

## Optional Accessories

<b>0TAWE34600Z01</b>	3G Module, Novatel E346 (**MOQ 50)
<b>0TAWAWNE77Z01</b>	Wi-Fi Module, 802.11 b/g/n Mini-PCIe card
<b>080W1Q0002001</b>	Internal Wi-Fi Antenna Cable
<b>0TZW000000039</b>	SMA Antenna, male jack / female plug
<b>080W1Q0001501</b>	Internal Antenna cable for 3G//GPS module
<b>0TZW000000072</b>	3G Module External Antenna