

BCD-RGD-2280E

Fanless Industrial PC with
3rd Gen® Core™ i5 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 use 3-D Tri-Gate transistor technology which consumes up to 50% less power than 2-D transistors at the same performance level. The customers wish to upgrade to Ivy Bridge will definitely 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 or PCIe slot

The product has additional space for another PCI or PCIe expansion. Allowing customers to choose what type of expansion slot they need. The main board has a PCIe x16 port that via standard riser cards can be turned into a PCIe x1 or PCIe x8 port.

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.

Preliminary Specifications

Processor Options		3rd Gen Intel® Core™ i7/i5/i3
Chipset		Intel® HM65
BIOS		AMI 32bit SPI UEFI BIOS
System Memory	Sockets	2 x 204-pin SODIMM socket
	Technology	DDR3 1333/1600 MHz
	Max. Capacity	Up to 16GB
USB		6x USB 2.0 compliant hosts: Type A connector
Expansion Bus		2x Mini-PCIe expansion sockets, one for PCIe express 1x and USB 2.0 signals and the other is for USB 2.0 with SIM-card reader
OS Support		Microsoft Window 7/7 Embedded/XP/XP Embedded, Linux 2.6.32 or later
Storage	HDD/SSD Support	1x 2.5" HDD/SSD drive bay
	Expansion	1xSATA port for 1x 2.5" SSD/HDD driver bay
Networking	LAN	2x10/100/1000Mbps, Autosensing,RJ-45
	Controller	Intel 82574L x2
Display	Graphics Controller	Intel® HD Graphics 4000
	Display Interface	HDMI x1, VGA x1, DVI-D x1
Audio	Audio Controller	Realtek ALC886
	Audio Interface	Phone Jack x2 for Mic-in and Line-Out
LEDs		Power, HDD active
Physical Characteristics	Housing	(SECC) Sheet Metal
	Weight	TBD
	Dimensions (WxHxD)	27.7x6.7x19.4cm
	Mounting Options	Wall mount -4
Environment	Operation Temperature	-20~55°C (with Industrial grade components)
	Storage Temperature	-20~70°C
	Ambient Relative Humidity (non-condensing)	5 to 95% (non-condensing)
Power	Input Voltage	+9~30V
	Power Consumption	TBD
	Connector	2-pin terminal block with lock
	AC Adapter	75W 19V/3.95A
Standard and Regulation	EMC	CE/FCC
	Green Product	RoHS
Reliability	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

BCD-RGD-2280E	Fanless Industrial PC with Intel® Core™ i5-3610ME CPU with one PCI express 1X
----------------------	---