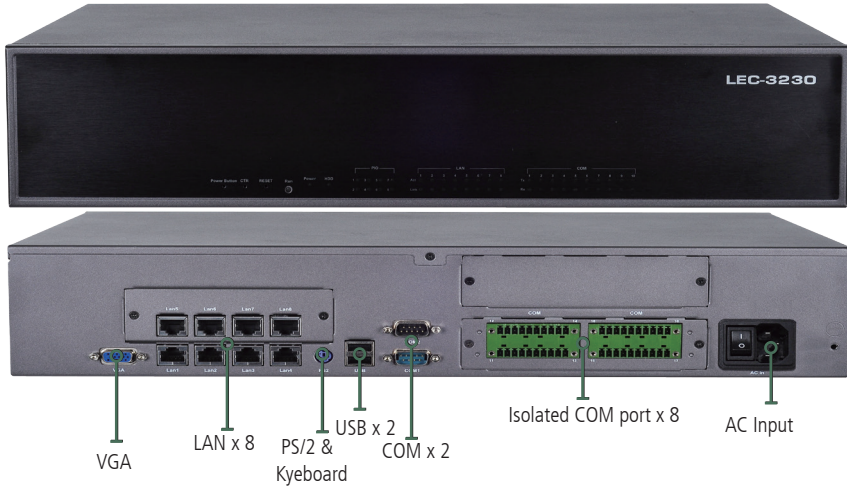


# LEC-3230

Fanless Industrial PC with Intel® Celeron® 847E, Core™ i3-3217UE or i7-3517UE CPU



## Features

### Rich, Flexible and Expandable I/O Interface and CPU Options

This product provides rich I/O interface, includes 4+4 GbE, 4+8 GbE, upto 2+8, or 2+16 isolated serial COM port for ethernet or serial connectivity. The internal flexible expansion design is extremely suitable for customer's requests. Moreover, cost effective and high-performance CPU options are available for critical applications.

### 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.

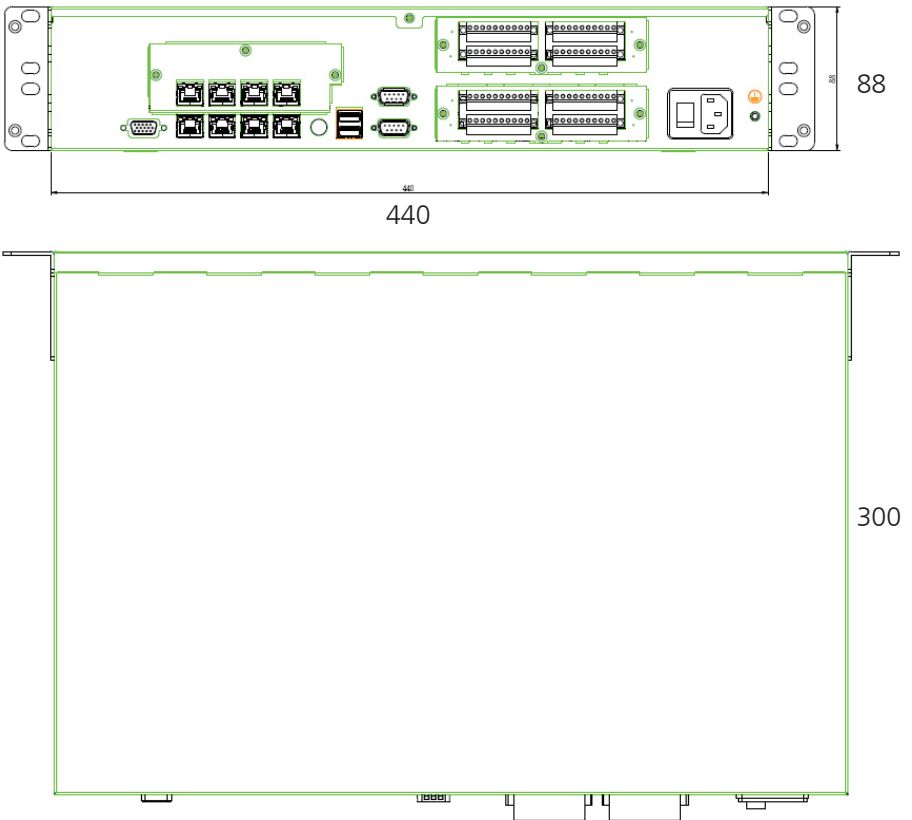
### Terminal block connections

This product features serial ports utilize terminal blocks for its I/O ports. Terminal blocks can receive a multitude a different kind of wiring making these ports adaptable for different environments.

### IEC 61850-3

This platform passed the IEC 61850-3 test the hardware section of the IEC 61850 compliance. These tests include electromagnetic interference, temperature range and shock/vibration tests.

**Dimensions: 440 x 88 x 300 mm (17.32" x 3.46" x 11.81")**



# Specifications

<b>Processor Options</b>		Intel® Celeron® 847E (1.10 GHz), Core™ i3-3217UE or Core™ i7-3517UE
<b>Chipset</b>		Intel HM65
<b>BIOS</b>		AMI 8Mbit SPI Flash ROM BIOS
<b>System Memory</b>	Sockets	1 x 204-pin SODIMM socket
	Technology	DDR3 1333/1600 MHz
	Max. Capacity	Up to 8 GB
<b>USB</b>		6 x USB 2.0 compliant hosts: 2 x External Type A connector, Internal pin-connector x 3, 1x internal USB slot
<b>Expansion Bus</b>		PCIe expansion slot
<b>OS Support</b>		Window 7, WES7, Linux 2.6
<b>Storage</b>	NAND Flash	None
	HDD/SSD Support	1x 2.5" HDD/SSD drive bay
	Expansion	CF socket Type I/II x1, 2xSATA
<b>Networking</b>	LAN	8 x 10/100/1000 Mbps, Autosensing, RJ-45
	Controller	Intel 82583V x8
	Magnetic Isolation Protection	1.5 KV built-in
<b>Serial Interface</b>	Serial Standard	2 x DB9, & 2x2x10pin terminal block for 10 x RS-232/422/485
	ESD Protection	15 KV for all signals
	Isolation Protection	2 KV Digital Isolation
<b>Serial Signals</b>	RS-232	RTS, Rx, Tx, CTS, GND
	RS-422	TxD+, TxD-, RxD-, RxD+, GND
	RS-485	Data+, Data-, GND
	Baudrate	Supports 50 bps to upto 115.2 Kbps
<b>Display</b>	Graphics Controller	Intel® HD Graphics
	Display Interface	DB15 x 1 for VGA
<b>LEDs</b>		Power, Storage, Run(User defined), 8 x ACT/Link 10 x Rx/Tx , 8 x PIO
<b>Physical Characteristics</b>	Housing	(SECC) Sheet Metal
	Weight	2.1 kg
	Dimensions (WxHxD)	440 x 88 x 300 mm (17.32" x 3.46" x 11.81")
	Mounting Options	Rack mount
<b>Environment</b>	Operation Temperature	-20~55°C
	Storage Temperature	-40~80°C
	Ambient Relative Humidity (non-condensing)	5 to 95% (non-condensing)
<b>Power</b>	Input Voltage	85~264 Vac
	Power Consumption	TBD
	AC Input	Yes
<b>Standard and Regulation</b>	EMC	CE, FCC, IEC-61850 Compliance, China Electricity Level IV
	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-3230B</b>	Fanless Industrial PC with Intel® Celeron® 847E CPU, 8 x GbE, 10 x RS-232/422/485 ports
<b>LEC-3230C</b>	Fanless Industrial PC with Intel® Core™ i3-3217UE CPU, 8 x GbE, 10 x RS-232/422/485 ports
<b>LEC-3230D</b>	Fanless Industrial PC with Intel® Core™ i7-3517UE CPU, 8 x GbE, 10x RS-232/422/485 ports