

# LEC-303 | Series

Industrial Grade DIN Rail Box PC  
with Intel® Atom E3825 Processor



## ■ Features

- Fanless and Compact Design
- Intel® Atom™ E3825 SoC CPU
- LEC-3031-A Series: 4/6/8 x RS-232/422/485, LEC-3031-I Series: 4 or 10 x isolated COM ports
- 2 or 4 x Isolated GbE LAN, 2 or 4 x USB ports, VGA port
- Wide Operating Temperature -40~70°C
- DIN Rail or Wall Mount

## ■ Preliminary Specifications

### Processor System

CPU	Intel® Atom™ E3825
Frequency	1.33 GHz
Core Number	2
BIOS	AMI SPI Flash BIOS
Chipset	SoC

### Memory

Technology	DDR3L, 1067 MHz
Max. Capacity	8 GB
Socket	1 x 204-pin SODIMM

### Graphic

Controller	Intel® HD Graphics
Display Interface	VGA port

### Ethernet

Controller	Intel® i210-IT
Speed	10/100/1000 Mbps
Interface	2 or 4 x RJ45
Protection	1.5KV magnetic isolation protection

### Storage

Type	SATA, mSATA mini
Installation	2.5" HDD/SSD, 1 x mini-PCIe slot for mSATA mini support

### I/O

Serial Port	LEC-3031-A4/6/8: 4/6/8 x RS-232/422/485 LEC-3031-I4: 4 isolated RS-485 LEC-3031-I10: 8 isolated RS-485, 2x isolated RS-232/485 LEC-3031-DI4: 4 isolated RS-485 Isolation Protection: 2KV Digital Isolation ESD Protection: 15KV ESD Protection
USB 2.0	1 or 3 x type A
USB 3.0	1 x type A
Power-On/Reset Button	Internal reset button
LED	PWR,Storage, RX/TX

### Digital Input/Output

LEC-3031-DI4: 4 x DI/4 x DO  
Digital Input:  
Dry contact: 0: Open; 1: Close  
Wet contact: 0: +3Vdc Max; 1: +3~5Vdc  
TTL type  
ESD protection for 15KV  
Digital Output:  
Open collect to 5Vdc, 200mA max load

### Watchdog Timer

Watchdog timer 256 level time interval system reset, software programmable

### Power

Power Supply Voltage	12 ~ 36 Vdc
Connector	Phoenix contact 2-pin connector with lock
Power Consumption (Idle)	19.27W
Power Consumption (Full Load)	22.14W
Power Adaptor	None

### Environment

Operating Temperature	-40 ~ 70°C
Storage Temperature	-40 ~ 85°C
Relative Humidity	5% ~ 95%, non-condensing

### Mechanical

Dimension (W x H x D)	69 x 169.5 x 127 mm
Fanless	Yes
Construction	Aluminum + Steel
Weight	1.2 kg
Mounting	DIN rail or Wall mount

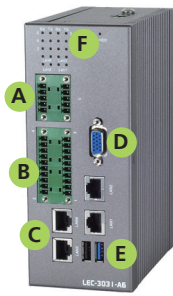
### Driver Support

Microsoft Windows	Windows 7, Windows 7 Embedded
Linux	Linux (Ubuntu)

### Certification

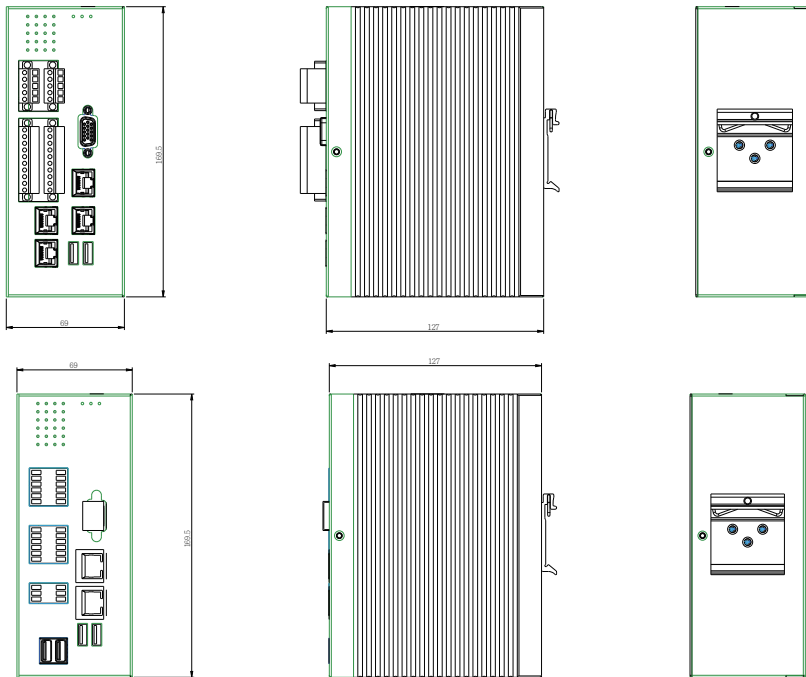
EMC	CE/FCC Class A
Green compliance	RoHS

## Product I/O View



- A** Serial ports
- B** Serial ports
- C** LAN
- D** VGA
- E** USB
- F** Status LED
- G** DIN rail mount

## Dimensions (WxHxD): 69 x 169.5 x 127 mm (2.71" x 6.67" x 5")



## Ordering Information

- LEC-3031-A4** DIN rail Fanless Box PC with Intel Atom E3825 processor with 4 x RS-232/422/485, 4 x GbE, VGA port
- LEC-3031-A6** DIN rail Fanless Box PC with Intel Atom E3825 processor with 6 x RS-232/422/485, 4 x GbE, VGA port
- LEC-3031-A8** DIN rail Fanless Box PC with Intel Atom E3825 processor with 8 x RS-232/422/485, 2 x GbE, VGA port
- LEC-3031-I4** DIN rail Fanless Box PC with Intel Atom E3825 processor with 4 x isolated RS-485, 2 x GbE, VGA port
- LEC-3031-I10** DIN rail Fanless Box PC with Intel Atom E3825 processor with 8 x isolated RS-485, 2x isolated RS-232/485, 2 x GbE, VGA port
- LEC-3031-DI4** DIN rail Fanless Box PC with Intel Atom E3825 processor with 4 x isolated RS-485, 4 x DI/4 x DO, 2 x GbE, VGA port

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