

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	1x 204-pin SODIMM

Graphic

Controller	Intel® HD Graphics
Display Interface	1x VGA

Ethernet

Controller	Intel® i210-IT
Speed	10/100/1000 Mbps
Interface	2 or 4x RJ45 (by SKU)
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	1 or 3x USB 2.0 type A (by SKU) 1x USB 3.0 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

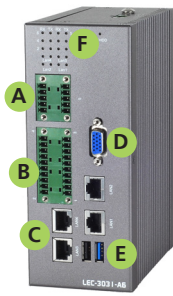
Driver Support

Microsoft Windows	Windows 10
Linux	Linux (Ubuntu)

Certification

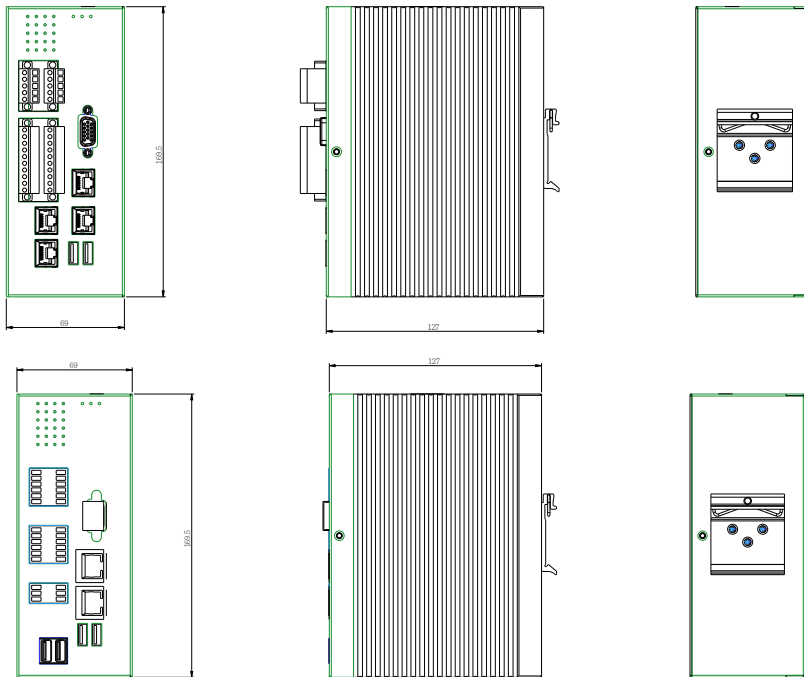
EMC	CE/FCC Class A
Green compliance	RoHS

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 4x RS-232/422/485, 4x GbE, VGA port, 1x USB 3.0, 1x USB 2.0
LEC-3031-A6	DIN rail Fanless Box PC with Intel Atom E3825 processor with 6x RS-232/422/485, 4x GbE, VGA port, 1x USB 3.0, 1x USB 2.0
LEC-3031-A8	DIN rail Fanless Box PC with Intel Atom E3825 processor with 8x RS-232/422/485, 2x GbE, VGA port, 1x USB 3.0, 1x USB 2.0
LEC-3031-I4	DIN rail Fanless Box PC with Intel Atom E3825 processor with 4x isolated RS-485, 2x GbE, VGA port, 1x USB 3.0, 3x USB 2.0
LEC-3031-I10	DIN rail Fanless Box PC with Intel Atom E3825 processor with 8x isolated RS-485, 2x isolated RS-232/485, 2x GbE RJ45, VGA port, 1x USB 3.0, 3x USB 2.0
OTAW000222000	EM7455 SIERRA LTE M.2 Card (Americas and EMEA), CAT 6

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