



■ Features

- Wide operating temperature range (-40~70°C)
- Intel® Atom™ E3825 SoC CPU
- Front access I/O ports: LEC-3031-A4/6/8: 4/6/8 x RS-232/422/485, LEC-3031-I4/10: 4 or 10 x isolated COM ports
- 2 or 4 x Isolated GbE LAN / 4 x USB: 1x USB 3.0, 1x or 3x USB 2.0, VGA port
- 1 x M.2 3042 (USB2.0 signal) for 4G LTE Wireless Expansion
- Fanless and compact design

■ Preliminary Specifications

Processor System

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

Memory

Technology	DDR3L, 1067 MHz
Max. Capacity	4 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	1x SATA, 1x mSATA mini
Installation	Support 1x2.5" HDD kit

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
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

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)	TBD
Power Consumption (Full Load)	TBD
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

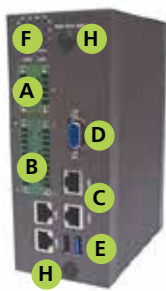
Driver Support

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

Certification

EMC	CE/FCC Class A
Green compliance	RoHS

■ Product I/O View



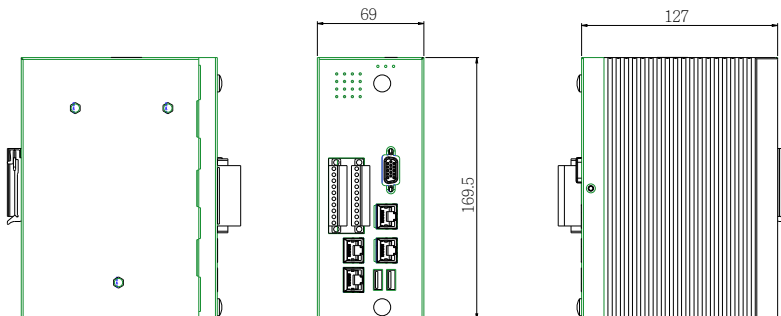
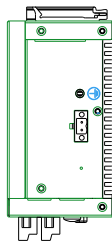
- A** Serial ports
- B** Serial ports
- C** LAN

- D** VGA
- E** USB
- F** Status LED

- G** DIN rail mount
- H** Antenna hole



■ 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
OTAW000222000	EM7455 SIERRA LTE M.2 Card (Americas and EMEA), CAT 6

V.1-2021.7, 1

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