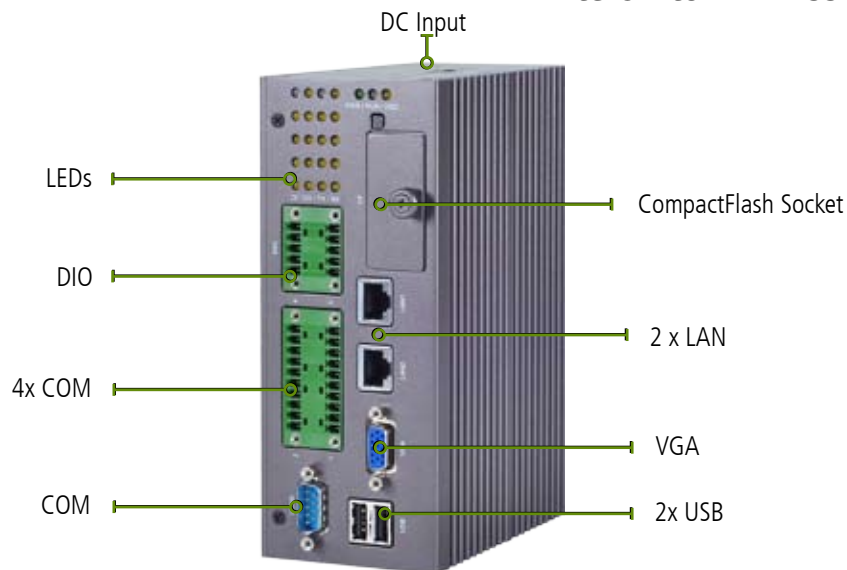


# LEC-3012

## Fanless Industrial PC with Intel® Atom™ N455 CPU



### Features

#### Rotating DIN-rail mount

This patented DIN-Rail mount can rotate around the Z-Axis, allowing system engineers to access all sides of the appliance without removing the appliance from the DIN-rail.

#### Isolated Serial COM ports

The serial ports come with 2 KV optical isolation protection to guarantee communication reliability in harsh industrial environments.

#### Wide voltage input range

This product supports a wider range of voltage inputs, allows for easier onsite implementation

by lessening the need for an external power supply.

#### Dust proof design

Solid chassis design with a fanless interior allows for this product to be completely dustproof when installed correctly, insuring longevity of the product.

#### 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.

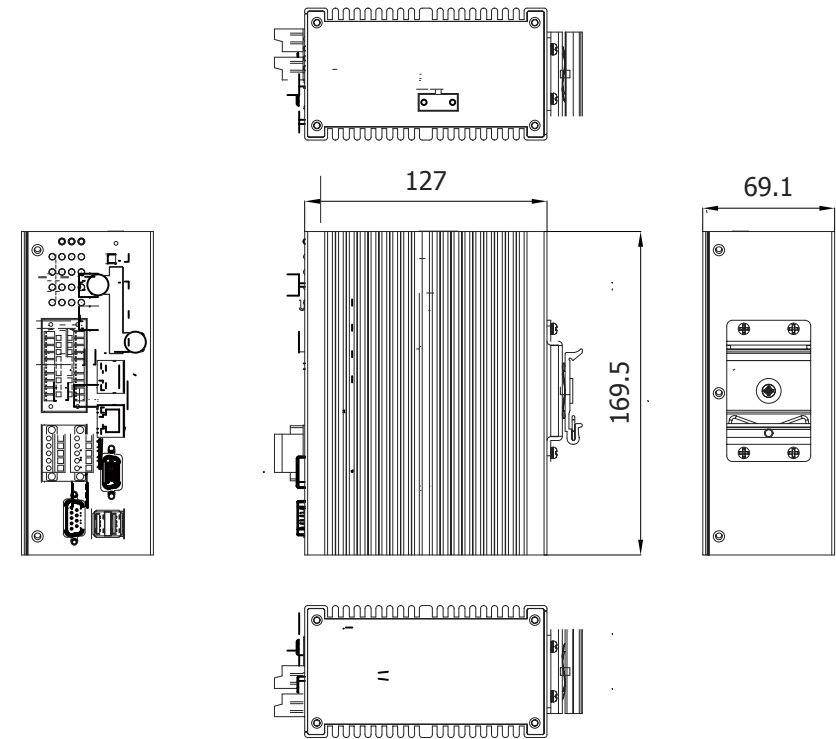
## Specifications

<b>Processor Options</b>		Intel® Atom™ N455 (1.66GHz)
<b>Chipset</b>		Intel ICH8M
<b>BIOS</b>		AMI 8Mbit SPI Flash ROM BIOS
<b>System Memory</b>	Sockets	1 x 204-pin DDR3 SODIMM socket
	Technology	DDR3 SODIMM x1
	Max. Capacity	Up to 2 GB
<b>USB</b>		USB 2.0 compliant hosts x2, Type A connector, Internal pin-connector x2
<b>Expansion Bus</b>		None
<b>OS Support</b>		Window XP Embedded, Linux
<b>Storage</b>	NAND Flash	None
	HDD Support	None
	Expansion	CF socket Type I/II x1
<b>Networking</b>	LAN	2x10/100/1000Mbps, Autosensing,RJ-45
	Controller	Intel 82574L x2
	Magnetic Isolation Protection	1.5 KV built-in
<b>Serial Interface</b>	Serial Standard	1xDB9 for RS-232, 2x10pin terminal block for 4xRS-232/422/485
	ESD Protection	15 KV for all signals
	Isolation Protection	2 kV Optically 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 115.2Kbps
<b>Digital I/O</b>	Digital Input	4x 2KV Optically isolation Logic level 0:0~+2Vdc
	Digital Output	4x 2KV Optically isolation Logic level 0:0Vdc Logic level 1:5Vdc
	Connector	2x5 pin terminal block
	<b>Display</b>	Graphics Controller Display Interface
<b>LEDs</b>		Power, Storage, Run(User defined), 4xDI, 4xDO, 4xRx, 4xTx,

## Specifications

<b>Physical Characteristics</b>	Housing	Aluminium
	Weight	1.7Kg
	Dimensions (WxHxD)	69x169.5x127mm
	Mounting Options	DIN Rail
<b>Environment</b>	Operation Temperature	-10~55°C/14~131°F
	Storage Temperature	-40~80°C
	Ambient Relative Humidity (non-condensing)	5 to 95% (non-condensing)
	Input Voltage	+12~36Vdc
<b>Power</b>	Power Consumption	15W
	Connector	2-pin terminal block
	AC Adapter	No
<b>Standard and Regulation</b>	EMC	CE/FCC
	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	511,973 hrs

## Dimensions 69.1x169.5x127mm(2.72"x6.67"x4.99")



## Ordering Information

<b>LEC-3012</b>	Fanless Industrial PC with Intel® Atom™ N455 CPU, 2x GbE, 5x Isolated serial ports, 4x Isolated DI/O
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## Optional Power Accessories

<b>0P0W060120002</b>	60 W AC Adapter, 12V/5A w/Terminal Block
<b>0P0W060240A01</b>	60 W AC Adapter, 24V/2.5A w/Terminal Block
<b>0P0W075190001</b>	75 W AC Adapter, 19V/3.95A w/Terminal Block
<b>080W240318306</b>	US Power Cord
<b>080W240318305</b>	Schuko EU Power Cord
<b>080W240318301</b>	UK Power Cord
<b>080W240318307</b>	China Power Cord
<b>080W240318309</b>	Japan Power Cord