LEC-3110

1U Fanless Rackmount Communication Platform with Intel® Atom™ D525

VGA   USB x2   LAN x6   COM x2   COM x4   COM x4   DC input   AC input
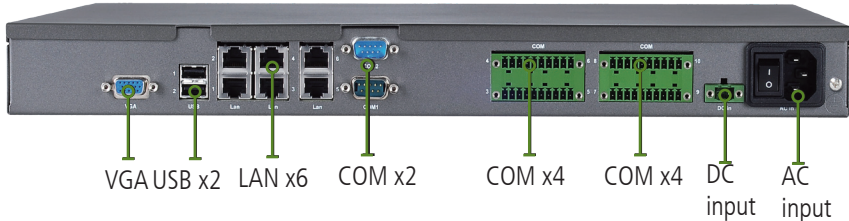
Features

Rich I/O interface

This product provides rich I/O interface in rear wiring, includes 6 GbE LAN ports and 10 optically isolated serial COM ports for communication.

IEC-61850-3

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

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.

Clear LED indicators in Front Panel

LED indicators makes it easy to check working status.

Support AC and DC power input

This product support both AC and DC power input.

Specifications

Processor Options		Intel® Atom™ D525 (1.8 GHz)
Chipset		Intel ICH8M
BIOS		AMI Flash BIOS
System Memory	Sockets	1 x 204-pin DDR3 SO-DIMM socket
	Technology	DDR3 SO-DIMM x1
	Max. Capacity	Up to 4 GB (1GB built-in)
USB		USB2.0 compliant, 2x Type A connector, 1x internal Type A connector, 2x internal pin header
Expansion Bus		PCI-104
OS Support		Window XP Embedded, Linux
Storage	NAND Flash	None
	HDD Support	2.5″ HDD/SSD drive bay x1
	Expansion	CF socket Type I/II x1, 2xSATA
Networking	LAN	6 x 10/100/1000Mbps, Autosensing
	Controller	Intel 82574L x 6
	Magnetic Isolation Protection	1.5 KV built-in
Serial Interface	Serial Standard	10 x RS-232/422/485 (LEC-3110)
	ESD Protection	15 KV for all signals
	Isolation Protection	2 KV Optically isolation
Serial Signals	RS-232	SOUT,RTS,SIN,CTS,GND
	RS-422	TxD+,TxD-,RxD-,RxD+,GND
	RS-485	Data+,Data-,GND
	Connector	DB9, 2x20pin terminal block
Serial Comm. Parameters	Data bits	5,6,7,8
	Stop bits	1,1.5,2
	Parity	None, Even, Odd, Space, Mark
	Flow Control	RTS/CTS, XON/XOFF, (RS485 Autoflow)
	Baudrate	Support 50 bps to 115.2 Kbps
Display	Graphic Controller	Intel GMA 3150
	Display Interface	DB15 x1 for VGA(2048x1536)
LEDs		Power, Storage, 4xPIO, 1xRun(User defined), 6xAct, 6xLink, 10xRx, 10xTx

Specifications

Physical Characteristics	Housing	(SECC) Sheet Meal
	Weight	3.2Kg
	Dimensions (WxHxD)	440x44.5x301mm(17.32"x1.75"x11.85")(without rackmoun ears)
	Mounting Options	Standard 19-inch rackmount
Environment	Operation Temperature	-20~55°C
	Storage Temperature	-40~80°C
	Ambient Relative Humidity (non-condensing)	5 to 95% (non-condensing)
Power	Input Voltage	Dual Power Input 12~36Vdc 100 ~ 240 V
	Power Consumption	26W
	Connector	2-pin terminal block
	AC Adapter	No
Standards and Regulations	Safety	
	EMC	CE/FCC, China Electric Certification Level4, IEC-61850-3
	Green product	RoHS
Reliability	Alter tool	Built-in buzzer and RTC (real-time clock) with battery lithium backup
	Automatic Reboot Trigger	Watchdog Timer 1~255 level
	Warranty	2 Years
	MTBF	203896 hrs

Dimensions 440 x 44.5 x 301 mm (17.32" x 1.75" x 11.85")

440

301

44.5

486

471

3.5

3

6.3

38.3
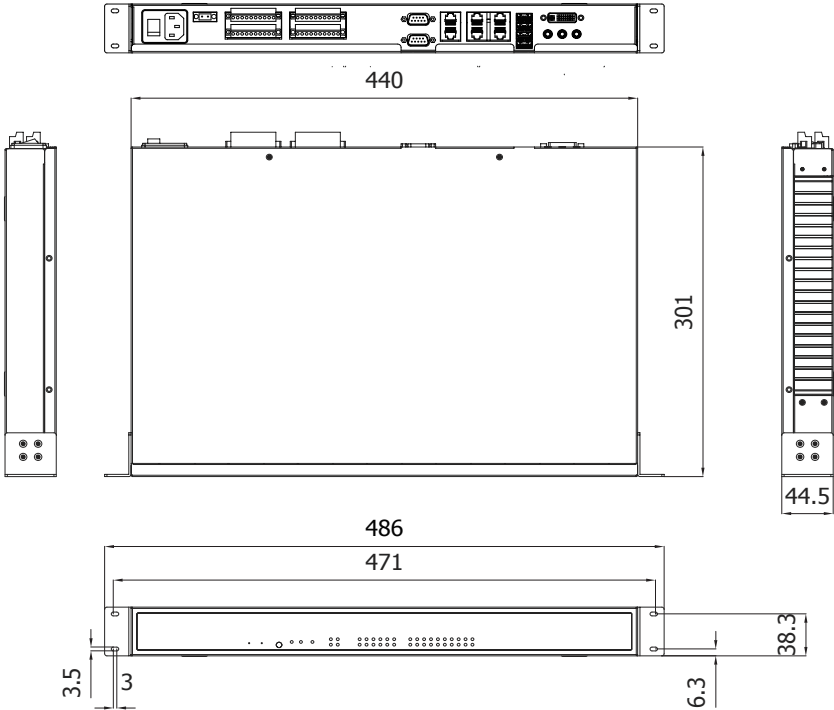
Ordering Information

LEC-3110	Fanless 1U rackmount communication platform with Intel® Atom™ D525 (1.8GHz), 6 x GbE LAN, 10 x optically isolated Serial ports
LEC-3110A (by request)	Fanless 1U rackmount communication platform with Intel® Atom™ D525 (1.8GHz), 6 x GbE LAN, 2 x optically isolated Serial ports