LEC-3013

Fanless Industrial DIN Rail Box IPC with Intel® Atom™ D525 CPU

DC Input

COM x 4

GbE LAN x 4

USB x 2

CF Socket

VGA

LEC-3013-A4   **LEC-3013-A6**   **LEC-3013-A8**

Features

Fanless, Compact and Robust DIN Rail Design
The lifespan of this IPC has been extended by removing the most easily damaged component, the fan. Its compact and robust system design with DIN rail and wall mount options renders your application more reliable.

Solid Expansion Capability
Complete storage expansion functionality, including CompactFlash, SSD and optional on-board NAND Flash.

Flexible I/O Design
LEC-3013 series provides various I/O options such 4, 6, or 8-port serial COM or 2, 4 Gigabit Ethernet ports models.

Advanced Protection of Serial COM and Ethernet ports for harsh environments
LEC-3013 series have serial COM ports with advanced ESD protection and Ethernet ports with magnetic isolation protection to guarantee communication reliability in harsh industrial environments.

Specifications

Processor Options		Intel® Atom™ D525 (1.8 GHz)
Chipset		Intel ICH8M
BIOS		AMI 8Mbit SPI Flash ROM BIOS
System Memory	Sockets	1 x 204-pin DDR3 SODIMM socket
	Technology	DDR3 SODIMM x 1
	Maximum Capacity	4 GB
USB		USB 2.0 compliant hosts x 2, Type A connector, Internal pin-connector x 2
Expansion Bus		None
OS Support		Window 7, XP Embedded, Linux
Storage	NAND Flash	Optional
	HDD Support	1 x 2.5" HDD/SSD drive bay
	Expansion	CF socket Type I/II x 1, SATA x 1
Networking	LAN	2 or 4 x 10/100/1000 Mbps, Autosensing, RJ-45
	Controller	Intel 82574L x 2, Intel 82583v x 2
	Magnetic Isolation Protection	1.5 KV built-in
Serial Interface	Serial Standard	-2 x 2 x 10pin terminal block for 8 x RS-232/422/485 -2 x 10pin + 2 x 5pin terminal block for 6 x RS232/422/485 -2 x 10pin terminal block for 4 x RS-232/422/485
	ESD Protection	15 KV for all signals
Serial Signals	RS-232	RTS, Rx, Tx, CTS, GND
	RS-422	TxD+, TxD-, RxD-, RxD+, GND
	RS-485	Data+, Data-, GND
	Baudrate	Supports 50 bps to 115.2 kbps
Display	Graphics Controller	Intel GMA 3150
	Display Interface	DB15 x 1 for VGA (2048 x 1536)
LEDs		Power, Storage, Run (user defined), 2/4 x LAN, 4/6/8 x Rx, 4/6/8 x Tx
Physical Characteristics	Housing	(SECC) Galvanized Steel + Aluminium
	Weight	1.7 kg
	Dimensions (W x H x D)	69 x 170 x 127 mm
	Mounting Options	DIN rail and wall mount
Environment	Operating Temperature	-20~55°C/-4~131°F
	Storage Temperature	-40~80°C
	Ambient Relative Humidity	5 to 95% (non-condensing)
Power	Input Voltage	+12~36 V DC
	Power Consumption	15 W
	Connector	2-pin terminal block
Standards and Regulation	EMC	CE/FCC
	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 time interval system reset, software programmable
	Warranty	2 years
	MTBF	TBD

Ordering Information

LEC-3013-A4	Fanless Industrial PC with Intel® Atom™ D525 CPU, 4 x GbE, 4 x COM ports
LEC-3013-A6	Fanless Industrial PC with Intel® Atom™ D525 CPU, 4 x GbE, 6 x COM ports
LEC-3013-A8	Fanless Industrial PC with Intel® Atom™ D525 CPU, 2 x GbE, 8 x COM ports

Lanner