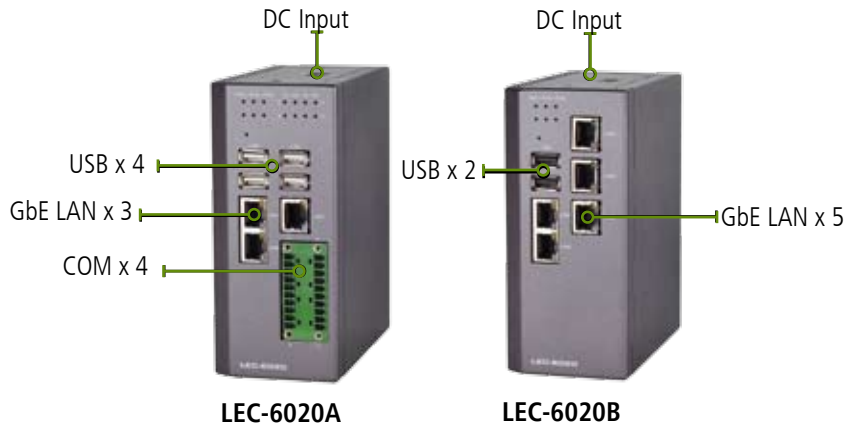


# LEC-6020

## Fanless Industrial DIN Rail Security Platform with Intel® Atom™ N2600 CPU, Preliminary Specification



### Features

#### Fanless, Compact and Robust DIN Rail Design

The lifespan of this IPCs has been extended by removing the most easily damaged component, the fan. Also it's compact and robust system design with DIN rail mount can make your system more space-saving and reliable.

#### Ethernet Bypass

LEC-6020A support 1-pair and LEC-6020B support 2-pair of Ethernet LAN Bypass function, Bypass ports allow users to have uninterrupted network traffic even if a single in-line appliance is shut down or is hung.

#### Solid Expansion Capability

Complete storage expansion functionality, including CompactFlash, SATA(SSD) and internal pin-header for VGA and console. LEC-6020A with an internal mini-PCIe slot for future expansion.

#### Flexible I/O Design

LEC-6020A provides various I/O port combinations such as 3-port GbE LAN, 4-port serial COM ports and 4-port USB.

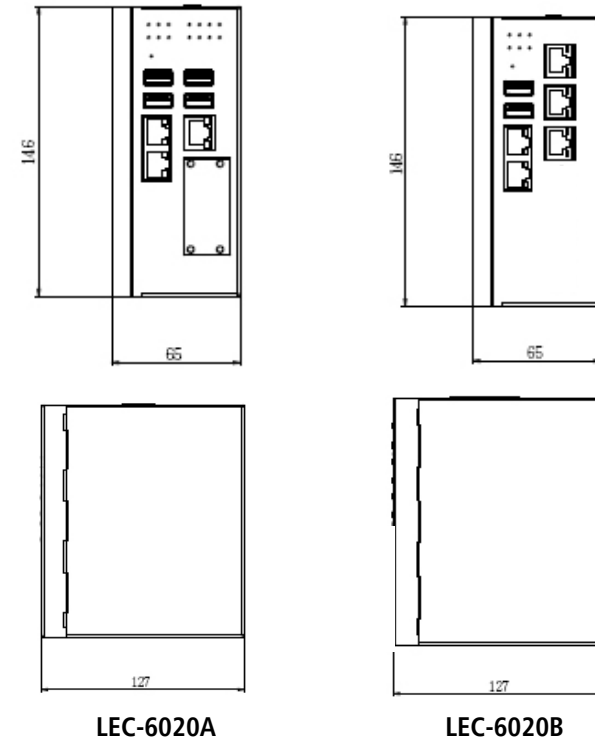
### Wide Temperature

This product is ruggedized to support a wider temperature up to 70°C. Outfitted with industrial components (SSD, CF, Memory) this platform can thrive in harsh conditions.

### ESD and Surge Protection of Serial COM ports for harsh environments

LEC-6020A has 4 serial COM ports with ESD and surge protection to guarantee communication reliability in harsh industrial environments.

### Dimensions: 146 x 65 x 127mm (5.74" x 2.56" x 5")



## Preliminary Specifications

<b>Processor Options</b>		Intel® Atom™ N2600 1.6 GHz
<b>Chipset</b>		Intel NM10
<b>BIOS</b>		AMI 8Mbit SPI Flash ROM
<b>System Memory</b>	Sockets	1 x 204-pin DDR3 SODIMM socket
	Technology	Dual-Channel DDR3 1066/1333MHz, unbuffered, Non-ECC
	Max. Capacity	Up to 2 GB
<b>USB</b>		LEC-6020A: USB 2.0 compliant hosts x 4, Type A connector, 2 x Internal pin-connector. LEC-6020B: USB 2.0 compliant hosts x 2, Type A connector, 2 x Internal pin-connector
<b>Expansion Bus</b>		Mini-PCIe (Only LEC-6020A)
<b>OS Support</b>		Linux 2.6, Windows XP Embedded, Window XP, Window 7 Embdded
<b>Storage</b>	NAND Flash	None
	HDD Support	SATA connector for SSD/HDD expansion
	Expansion	CompactFlash socket Type I/II x1, SATAx1
<b>Networking</b>	LAN	LEC-6020A: 3x10/100/1000Mbps ports, Autosensing, RJ45, w/ one bypass. LEC-6020B: 5x10/100/1000Mbps ports, Autosensing, RJ45, w/ two bypass
	Controller	LEC-6020A: Intel 82574L x 3, LEC-6020B: Intel 82574L x 5
	Magnetic Isolation Protection	1.5 KV built-in
<b>Serial Interface</b>	Serial Standard	2x10 pin terminal block for 4 x RS-232/422/485, 1x internal header (RS232 only)
	ESD Protection	15 KV for all signals
<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 115.2 Kbps
<b>Display</b>	Graphics Controller	Intel® GMA 3600
	Display Interface	internal pinheader
<b>LEDs</b>		LEC-6020A:Power, Storage, Run(User defined), 3x User deined, 4xRx, 4xTx. LEC-6020B: Power, Storage, Run(User defined), 3x User deined
<b>Physical Characteristics</b>	Housing	Aluminium + SECC
	Weight	1 kg
	Dimensions (WxHxD)	65 x 146 x 127 mm
	Mounting Options	DIN Rail and wall mount
<b>Environment</b>	Operation Temperature	-40~70°C
	Storage Temperature	-40~85°C
	Ambient Relative Humidity	5 to 95% (non-condensing)
<b>Power</b>	Input Voltage	+10~36 Vdc
	Power Consumption	TBD
	Connector	6020A: 2-pin terminal block, 6020B:6-pin terminal block
<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	TBD

## Ordering Information

<b>LEC-6020A</b>	Intel Atom N2600 1.6 GHz CPU, 3 x Intel GbE w/ one bypass, 4 x RS-232/422/485 w/ ESD, Surge protection, 4 x USB, 1 x Mini-PCIe, +10~36 Vdc w/ 2-Pin, DIN-Rail
<b>LEC-6020B</b>	Intel Atom N2600 1.6 GHz CPU, 5 x Intel GbE w/ two bypass, Dual +10~36 Vdc w/ 6-Pin w/ power failure relay, DIN-Rail