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creating value in applied computing

QORE: LEC-3010

DIN-Rail embedded computer built around the Intel Atom N450 with 6 x RS232/422/485 serial ports and 4 x GbE LAN

The LEC-3010 is designed for high surge ESD automation enviroments, such as substations, generation SCADA applications and building automation. Featuring a fanless DIN-Rail design, the LEC-3010 easily integrates into any factory IA deployment senario.
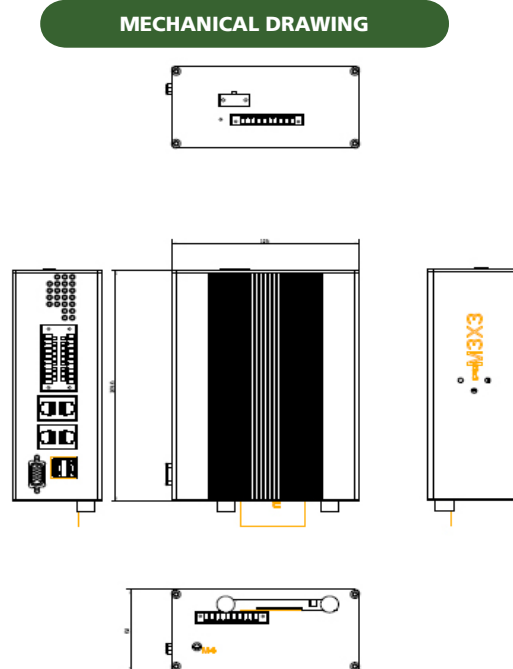
With six serial communication ports, 4 GbE LAN, 2 USB and DIDO, the LEC-3010 has a rich IO array. There is also a CompactFlash socket for storage.

Features

- 6 x RS232/422/485 serial ports
- Onboard Intel Atom N450 1.6GHz
- Intel ICH8M platform control hub
- DIN-Rail form factor
- Front facing LEDs for easy maintenance
- 4 10/100/1000 Mbps LAN
- CompactFlash Type I/II
- Cable free interior
- 8 Lines of programable DIDO

6 COM

4 LAN

USB

DIDO

Fanless

Cable-free

(intel)
Embedded Alliance

FEATURE	DESCRIPTION	LEC-3010
Platform	Form Factor	DIN-Rail
	Processor	Intel N450
	Chipset	Intel ICH8M
	BIOS	AMI Flash BIOS
Memory	Memory IC On Board	No
	Memory Socket	SODIMM x 1 (up to 2GB per slot)
	Max Memory	2GB (1 x 2GB Module)
Storage	Compact Flash	1 x CF Socket Type I/II (internal/external options available)
Networking	Controller (Interface)	4 x Realtek RTL8111D
I/O	COM Ports	6 x RS-232/422/485 Hardware auto-flow control ESD protection for 15KV
	USB 2.0	2 (w/ 2 additional 2.54 pin headers)
	VGA	1 x DB15
	LAN	4 x RJ45 GbE
	DIDO	4 x DI, 4 x DO
	Internal CF	1
Hardware Monitor	Controller	Fintek F81865F-I integrated hardware monitor
	Watchdog timer	Yes (1~255 level)
OS Supported		Embedded Windows XP/Linux kernel 2.4.16 or above/WindowsXP 32 bit
Environmental Parameters	Operating Temperature (With Industrial Components: CF, Memory, SSD, HDD)	-20°~55°C / 14°~131°F
	Operating Temperature (With Commercial Components)	-5°C~45°C / 23°~113°F
	Extended Operating Temperature Tested	N/A
Dimensions	W x H x D (mm)	55 x 165 x 120 mm
	Weight	1.4Kg
Power	DC Power	+12V ~ 36V DC in
	Adapter	60W Adapter
Compliance	Standard	CE, FCC, RoHS

LEC-3010   Intel N450, 6 x COM, 2 x USB, 4 x GbE, DIO, & PCI-104 Expansion

MECHANICAL DRAWING

About Lanner

Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline network security, network video and applied computing platforms. With headquarters in Taipei, Taiwan and branches in the U.S. and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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