

QORE: LEC-3100

Intel Atom N270 1U Rackmount Fanless Serial Server with 10 isolated serial ports, 5 RJ-45 network ports, 4 USB and 8 lines of DIDO



Features

- 10 Isolated Serial Ports
- Intel® Atom N270 Processor
- 1U Rackmount Form Factor
- Front facing LEDs for easy maintenance
- Five 10/100/1000 Mbps
- CompactFlash Type III and SATA HDD support
- Cable Free Interior
- 8 Lines of programable DIDO

10xCOM

5xLAN

USB

DIDO

Fanless

Cable-free

SATA

EMBEDDED SYSTEM WITH

Advanced Connectivity Features

The LEC-3100 is designed for high surge ESD automation environments, such as substations, generation SCADA applications and building automation. Featuring a fanless rackmount design, the LEC-3100 easily integrates into factory IA control rooms, substation racks and Telco racks.

With ten isolated serial communication ports, five GbE LAN, 4 USB and DIDO, the LEC-3100 has a rich IO array. The rear IO connection and LEDs on front panel for all ports and modes highly simplify monitoring for operation and maintenance.

Furthermore, a PCI-104 expansion slot offers future expansion and customization possibilities.



FEATURE	DESCRIPTION	LEC-3100
Platform	Form Factor	1U Rackmount
	Processor	Intel Atom N270
	Chipset	Intel 945GSE + ICH7M
	BIOS	AMIBIOS with 8Mbit FWH
	Max. FSB	533MHz
Memory	Memory IC On Board	No
	Memory Socket	1 x SODIMM (up to 2GB per slot)
	Max Memory	2GB (1 x 2GB Module)
Storage	Compact Flash	1 x CF Socket Type I/II
	SATA	1 x 2.5" SATA HDD/DOM support
	IDE	1 x 22pin IDE header
Networking	Controller (Interface)	Intel 82574L x 4, Intel 82562GZ x1
Video	Controller	Onboard 945GSE
Audio	Codec	ALC888 HD Codec
I/O	COM Ports	2 x DB9 8 x Phoenix Contact All ports are isolated and can use RS-232/422/485 control signals Corresponding LEDs on front panel
	USB 2.0	4 (3 x External, 1 x Internal)
	DVI	1 (1600 x 1200)
	LAN	5 x RJ45 GbE, LEDs on front panel
	DIO	4 in, 4 out, LEDs on front panel
	Expansion	PCI/104
Hardware Monitor	Controller	Winbond W83627 UHG 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°~50°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	271 x 44.5 x 440 mm
	Weight	3Kg
Power	DC Power Input	9V ~ 36V DC in
	AC Power Input	110/240V AC in, 10% Tolerance
Compliance		CE, FCC, RoHS

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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