

# LUGE:LEC-7800

AMD Socket AM2/Sempron Embedded System with Tri-Video Out, dual Gigabit LAN, and WiFi / GPS / 3G Wireless Communications



## Features

- AMD 780E chipset
- Integrated Radeon™ HD 3200 graphics
- Tri Video Out: VGA, DVI, HDMI
- -10°C to 55°C operating temperature
- Supports up to 4GB DDR2 memory
- Dual 10/100/1000 Mbps LAN
- USB x 4, COM x 2
- CompactFlash Type I/II or SATA HDD support
- WiFi / GPS / 3G Wireless Communications

## EMBEDDED SYSTEM WITH Advanced Integrated Graphics

The LEC-7800 is an embedded system designed for high impact video applications. It features the AMD 780E embedded chipset, which offers high performance integrated graphics with extremely low power consumption.

The integrated Radeon™ HD 3200 graphics with ATI Avivo™ HD technology provides excellent graphics performance for a wide range of embedded applications.

The LEC-7800 includes three video out ports: VGA, DVI-D and HDMI for high definition video playback.

It also includes two RCA audio outputs for stereo audio.

**HD 3200**

HDMI

WiFi

GPS

3G

GbE

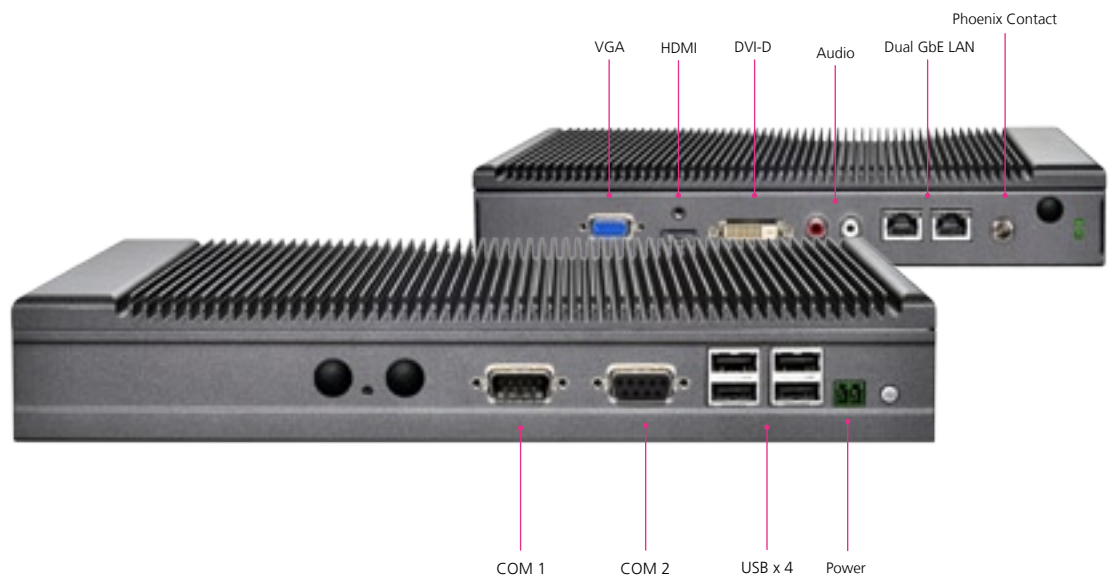
DVI-D

USB

COM

VGA

LAN

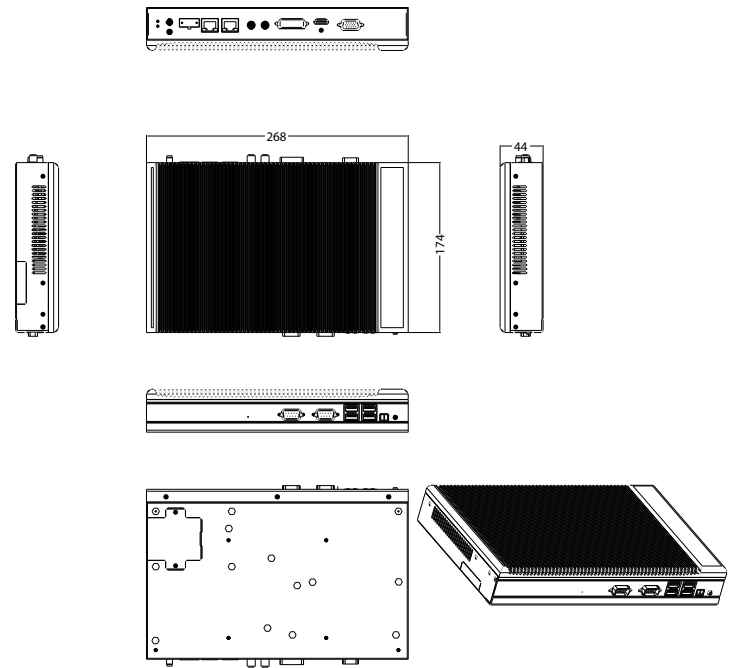


FEATURE	DESCRIPTION	LEC-7800
<b>Platform</b>	Form Factor	Embedded System with FAN
	Processor	AMD Socket AM2/Sempron
	Chipset	AMD 780E + SB710
	BIOS	AMIBIOS with 8Mbit FWH
	Max. FSB	800MHz
<b>Memory</b>	Memory IC On Board	No
	Memory Socket	SODIMM x 2 (up to 2GB per slot)
	Max Memory	4GB (2GB Module x 2)
<b>Storage</b>	Compact Flash	CF Socket Type III x1
	HDD	2.5" SATA HDD support
<b>Networkin</b>	Controller (Interface)	RTL8111C(D) (PCIe 1X)
<b>Video</b>	Controller	AMD 780E Integrated
<b>Audio</b>	Codec	ALC888 HD Codec
<b>I/O</b>	COM Ports	RS-232 x 1
	Digital I/O	DB9 Female (4 in 4 Out)
	USB 2.0	4 (External x 4)
	Video Grabber / 3G / GPS	Optional Module
	VGA	1 (1920 x 1200 / 75Hz; 4:3)
	DVI-D	1 (2560 x 1600 / 60Hz; Dual-link )
	HDMI	1 (1920 x 1080)
	LAN	RJ45 GbE x 2
	PS2 Keyboard & Mouse	Internal Pin Header
	Audio	Stereo Line Out (RCA L/R)
	Internal CF	1
	DC-in Connector Type	Power Jack w/Lock
	Expansion	Mini-PCIe x 1 (SIM Card Support) Mini-PCI x 1
	<b>Hardware Monitor</b>	Controller
Watchdog timer		Yes (1~255 level)
<b>OS Supported</b>		Linux kernel 2.4.16 or above, XPE/ Win XP-32 bit
<b>Environmental Parameters</b>	Operating Temperature (With Industrial Components: CF, Memory, SSD, HDD)	-10°~55°C / 14°~131°F
	Operating Temperature (With Commercial Components)	-5°C~45°C / 23°~113°F
	Extended Operating Temperature Tested	N/A
<b>Dimensions</b>	W x H x D (mm)	268(W) x 44(H) x 174(D)
	W x H x D (Inch)	10.55"(W) x 1.73"(H) x 6.85"(D)
<b>Power</b>	Input (Mode)	DC +12V (ATX Mode)
	AC Adapter	AC Adapter D: 60W (+12V) Power Jack w/Lock
<b>Compliance</b>		CE, FCC, RoHS



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## 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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creating value in applied computing