

# Embedded PC

Intel® Socket P embedded system with Nvidia MCP7A chipset, dual VGA, DVI and HDMI for high definition video

Model: LPC7900D

The LPC7900D is an ultra-compact embedded system designed for high definition video applications. It features four video out ports - HDMI, DVI and dual VGA ports - along with an Nvidia MCP7A integrated graphics chipset for improved video performance.

The LPC7900DD's Nvidia GPU provides fluid video performance with minimal power consumption, resulting in lower operating costs and higher return on investment, while delivering stunning video in high definition.

Additional features include compatibility with Intel Core 2 Duo and Celeron M technology. With up to 4 Gigabytes of memory.

## Features

- Nvidia MCP7A Chipset
- Dual VGA ports DVI-D and HDMI
- Slim 44mm case with heat dispersing fins
- Up to 4GB DDR2 memory
- Dual 10/100/1000 Mbps LAN
- USB x 4, COM x 1, DIO x 1
- CompactFlash Type I/II or SATA HDD support



HDMI

GbE

SATA

2xVGA

DVI-D

WIFI

COM



## Specifications

FEATURE	DESCRIPTION	LPC7900D
Platform	Form Factor	Embedded System
	Processor	Intel Core 2 Duo, Celeron M (Socket P)
	Chipset	Nvidia MCP7A-LP or MCP79
	BIOS	AMIBIOS with 8Mbit FWH
	Max. FSB	1066MHz
Memory	Memory IC On Board	No
	Memory Socket	SODIMM x 2 (up to 2GB per slot)
	Max Memory	4GB (2GB Module x 2)
Storage	Compact Flash	CF Socket Type I/II x1
	HDD	2.5" SATA HDD support
Networking	Controller (Interface)	RTL8111C(D) (PCIe 1X)
Video	Controller	Nvidia MCP7A-LP
	COM Ports	RS-232 x 1
I/O	DIO	4 Digital In, 4 Digital Out
	USB 2.0	4 (External x 4)
	Video Grabber / 3G / GPS	Video Grabber (Manufacture Option)
	VGA	2 (1920 x 1440 / 60Hz)
	DVI-D	UXGA (1600 x 1200)
	HDMI	HDMI
	LAN	RJ45 GbE x 2
	Audio	Stereo Line Out (RCA L/R)
	Internal CF	1
	DC-in Connector Type	Phoenix Contact 2-pin, DC Jack (MP Version)
	Expansion	Mini-PCIe x 1
		Mini-PCI x 1
Hardware Monitor	Controller	Winbond W83627 UHG integrated hardware monitor
	Watchdog timer	Yes (1~255 level)
OS Supported		Win XP-32bit/ Windows Vista
Environmental Parameters	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
Dimensions	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)
Power	Input (Mode)	DC +12V (ATX Mode)
	AC Adapter	AC Adapter D: 75W (+12V)
Compliance		CE, FCC, RoHS
Cooling	System Fan	1 x Smart FAN

## Drawings

