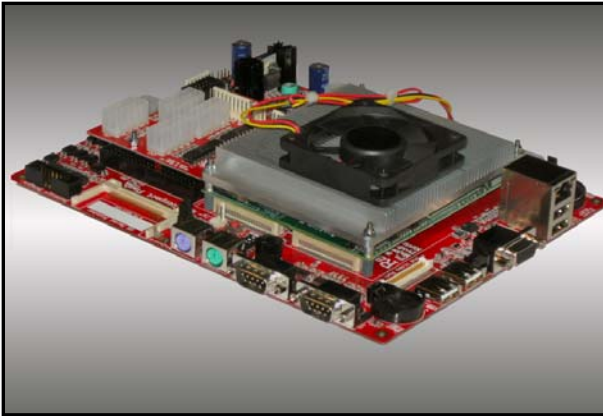


# Raptor Video Game Logic Board.



## Features

- Modular Processor design
- DDR2 Ram (up to 2Gb).
- Dual Screens. (with graphics accelerator)
- Dedicated Gaming IO
- 2 x Serial Fram and 2 x battery backed Sram.
- Silicon Serial number & Encryption.
- NSW "X" Series (or SAS) communications.

## Specifications

Processor System	Technology	ETX Modular component	
	CPU	Fitted with either Intel ULV Or Celeron M	
	Max Speed	2Ghz	
	Bios	Built in (Award or similar depends on Processor module)	
Memory	SD Ram	512mb – 2Gb (customers option)	
	Game Memory	2x Serial Non Volatile Fram 32kb each	
		2x Sram (battery backup) 32kb each	
Graphics	Dual Displays	VGA + LCD (or DVI/VGA with adaptor)	
	1 <sup>st</sup> Screen	Resolutions up to 2048 x 1536 (85hz)* VGA	
	2 <sup>nd</sup> Screen	Resolutions up to 2048 x 1536 (85hz)* DVI or LCD	
	Accelerator	Inbuilt Graphics Accelerator*	
Standard PC IO	USB	4 Type A USB 2.0 connectors	
	RS232	2 DB9 type connectors	
	IDE	1 Master/ Slave 40 pin connector	
	Compact Flash	1 Master / Slave 50 pin CF card connector (IDE configuration)	
	PS2	1 Keyboard and 1 Mouse standard 6 pin Mini Din	
	Network	1 Ethernet connector (RJ-45 type) 10/100mb	
	Monitors	1 VGA monitor (15pin D type) + 1 LCD Output (40 pin type)	
	SATA Dives	2 channels 150MB/s*	
Dedicated Gaming IO Included on Board	Outputs	8 x Mechanical meter drivers (200ma each)	
		16 x Panel lamp (200ma each)	
		2 Top lamp Outputs (200ma each)	
		2 Spare output signals (200ma each)	
		1 x Coin Acceptor Inhibit Signal (200ma)	
		1 x Hopper Motor signal (5amp) +1 x Hopper Optic on signal.	
		1 coin diverter output signal (200ma)	
		Stereo Speaker Outputs 5w per channel	
		Inputs:	16 x Front panel Switches
			1 x Hopper Level, 1 x Hopper Missing, 1x Hopper coin out pulse
	1 x Coin Acceptor input, 1x Coin Mech Fault Signal		
	5 X Security door or Security Seal inputs (to Security processor)		
		2 Key Switch Inputs (Audit & JP Reset)	
		4 Option Switches (Located on the Main PCB)	

## Specifications (cont)

Gaming Communications	X Series	Built In via Security processor ( Z8 type) Includes 6 SEF Inputs and Power Good Output signal as required by the standard.
	SAS 6.2	Is available on request subject to License conditions of the protocol owner.
Security Features	SSN	In-built Unique to each board Silicon serial number 64bit.
	Logic ID	Inbuilt Unique to each customer FPGA micro code ID (if required).
Operating System	OS	Windows XP embedded™ (optional preferred choice). Linux Compatible.
Power Requirements	Logic Board	Connector 20 pin Standard PC ATX power supply (350W Min) 1x 3v coin cell Battery for ETX Module Bios options etc. 1x 3v coin cell Battery for onboard SRAM
	Hopper	Separate Supply required (To suit hopper type)
Physical Dimensions	Dimensions	Length 225mm Width 176mm Height 55mm (Typical) These dimensions include connectors overhang

\* Dependant on the ETX Processing module chosen

## Part numbers

Part number	Description	Note
80024002-1/600	Raptor logic board with 600mhz processor.	Memory 512kb (no Sata Channels)
80024002-1/1200	Raptor logic board with 1.2Ghz processor	Memory 1Gb (no Sata Channels)
80024002-1/600s	Raptor Logic board with 600Mhz processor and 2 Sata Channels.	Memory 512Kb
80024002-1/1200s	Raptor Logic board with 1.2Ghz processor and 2 Sata Channels.	Memory 1Gb

!

## Accessories available

Part number	Description	Note
EPM-1522-24	LVDS to DVI converter kit	Required for Second Screen if DVI Output is required.

## Manufacturer and Supplier

Majestic Gaming Pty Ltd

47 Addingham Blvd Madora Bay Western Australia 6210 Australia

Ph: +61 8 95819429

Fax: +618 95819729

Web: [www.majesticgaming.com.au](http://www.majesticgaming.com.au)

Email: [admin@majesticgaming.com.au](mailto:admin@majesticgaming.com.au)