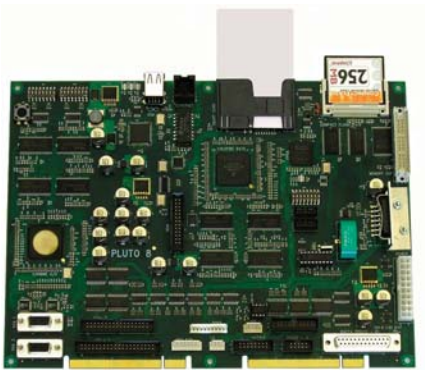




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Pluto 8

Dual Video gaming controller with powerful video performance, sophisticated security and flexible I/O options.

Pluto 8

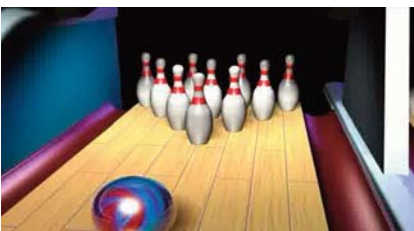
Pluto 8 is the latest addition to the internationally successful Pluto range of embedded gaming control systems from Heber. As well as incredible CPU and video performance, Pluto 8 offers an impressive 128MB system and video memory and has dual video outputs fitted as standard. Whatever your requirements, Pluto 8 is designed to meet your needs and exceed your expectations.

Market leading Pluto systems

Pluto controllers have long been established in the market place as global leading embedded gaming control systems. Pluto 8 continues this tradition, and has been designed for existing Pluto customers to easily upgrade from their current gaming platforms.

Sophisticated security

Safety against game piracy is imperative. Pluto 8 uses a removable Smart Card to provide unique customer-specific security. The Smart Card utilises a triple-DES encryption engine to ensure that once your application is developed, it is well and truly safeguarded.



Add-on boards

At Heber we recognise the importance of flexibility. That is why we offer a choice of optional add-on boards that can be connected to Pluto 8 to provide extra functionality and flexibility. These allow you to customise and connect your Pluto 8 to other gaming machine peripherals.

Key features

- Integrated design with onboard dual video outputs
- Outstanding CPU & video performance
- Impressive system & video memory
- Fast Compact Flash transfer
- Triple-DES security
- Multi-channel audio with stereo outputs
- Backplane option for flexible gaming cabinet wiring

Ideal for...

- Multi-games
- Dual video gaming systems
- Embedded gaming systems

The Heber advantage

When you buy a Pluto 8 from Heber you benefit from:

- 25 years gaming industry experience
- 14 years Pluto design heritage
- Compliance with worldwide gaming standards
- Free customer support
- Our team of dedicated specialist engineers
- Total product dependability

Pluto 8 Technical specifications

Processor

Freescale™ ColdFire® MCF5475 running at 266MHz, including:

- Floating point unit
- Memory management unit

Program Memory

1 off Compact Flash card

Battery Backed RAM

Up to 2MB including:

- 90 Day hold-up time
- Battery fail detection

System Memory

128MB of DDR SDRAM

Audio

Stereo codec output with software multi-channel mixing

5W + 5W Audio amplifier with software volume control

Real Time Clock

Real time clock fitted as standard

Serial Communication Ports

2 off RS232 ports including:

- BACTA compliant dataport

1 off RS232 or 5V TTL under software control

1 off RS485 or 5V TTL under software control

2 off ccTalk

1 off I²C

1 off SPI

Parallel I/O

32 off Open drain outputs

32 off Inputs with +3.3V pull ups

Switches

16 off DIL switches

1 off Push button switch

Security

3DES security engine

Removable customer specific smart card security device

+12V Current sensed meter supply

8 off power off switch monitors

Expansion Capabilities

1 off Memory expansion

1 off LED/lamp multiplex expansion

1 off EEPROM socket

Power Supply

ATX Power supply compatible

Dimensions

282mm x 206mm (11.1" x 8.1")

Video Capabilities

Dual video outputs (VGA) as standard

Graphics Processor

Fujitsu Carmine with the following:

- Maximum resolution 1280 x 1024
- Maximum color depth 24bpp
- Up to 8 Layers of image overlay
- Accelerated 2D drawing
- Accelerated 3D drawing
- Anti-aliasing
- Alpha blending

Graphics Memory

128MB of DDR SDRAM memory, 64bit bus running at 133MHz



Related datasheets

Pluto 8 Development Kit
Datasheet 80-20233

Datasheet 80-20232-3 08/08

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