F i R E F L Y

Firefly 700 Video Control Board

The **Firefly 700** Video Control Board is a latest generation, high-performance multimedia processor board for the demanding requirements of the coin operated video gaming marketplace.

A single board computer in a microATX format, the **Firefly 700** is based on the Intel® 845G chipset offering integrated Intel® Extreme Graphics and universal support for Pentium 4® and Celeron® Socket 478 processors up to and beyond 2GHz.

Offering all the flexibility and performance of a fully featured motherboard together with the key requirements of games applications, the **Firefly 700** offers a cost effective, high reliability solution to a variety of amusement, kiosk and coin-operated equipment.

Multimedia features are in-built with 3-D graphics, stereo sound and a variety of serial, PCI and USB 2.0 ports allowing easy expansion and connection of peripherals. LAN connectivity is also included as standard.

For ultimate gaming interoperability, the **Firefly X10** USB Expansion Board is available to connect to the **Firefly 700**. This provides extensive I/O capability including power outputs, switch inputs and specialist communications protocols such as ccTalk and HII. Additional functionality provided by the **Firefly X10** includes power down switch monitoring, audio power amplifier and essential software security features.

Rigorous attention to design criteria, and extensive experience in the supply of control systems to the gaming industry, allows Heber to offer the **Firefly** product range with comprehensive through-life support and long term availability to minimise issues with compatibility, obsolescence and regulatory approval.

Firefly 700

HEBER

ISO 9001

UKAS QUALITY MANAGEMENT 005

OUTLINE SPECIFICATION

Processor	• Supporting Intel Pentium 4/Celeron mPGA478 packaged processors. • Celeron, 1.7GHz+ operation • Pentium 4, 1.6GHz → 2.8GHz+ operation • Supports 400MHz/533MHz FSB (Front Side Bus)

Chipset	• Intel 845G chipset comprising:
	  • 82845G Graphics & Memory Controller Hub (GMCH)
	  • 82801DB I/O Controller Hub (ICH4)

BIOS	• Award BIOS • 2MB FWH
Expansion Slots	• Three PCI Slots • One AGP4X Slot, 1.5V only
Main Memory	• Two 184 pin 2.5V DIMM Sockets • Supports PC200/266 DDR SDRAM DIMMS, max 2Gbyte.
Back Panel Connectors	• One 9W D serial port (COM1) • One 15W D VGA Out • One 25W D parallel port • Four USB 2.0 ports • One RJ45 Ethernet • PS/2 Mouse & Keyboard ports • Audio: Line In, Line Out & Microphone In
On-board Headers	• Two IDE interfaces with Ultra DMA, ATA-66 /100 support • Diskette drive interface • COM2 Serial Port • Two additional USB ports
Network	• PCI 10/100Mbit/sec Ethernet • ADMtek AN983B • WOL
Video	• Intel Extreme Graphics
Audio	• AC97 V2.1 compliant audio codec
Operating System	• Microsoft Windows 98, 2000, XP, XP Embedded (recommended)
Safety Compliance	• UL1950 • EN60950 • IEC950
EMC Compliance	• EN55022:1997
Form Factor	• MicroATX • Dimensions 9.6" x 9.6" (244mm x 244mm)