

The **DPX-116** provides video gaming performance to match the increasing demands of the industry. Leveraging the exceptional performance and low power of Intel®'s Pentium® M and Celeron® M processors together with ATi's® Mobility™ Radeon™ AGP graphic accelerators, the DPX-116 delivers video performance previously unseen in video slot machines. The single connector ConnectBus®-II architecture provides reliable interconnects and ensures the board is installed correctly the first time and everytime.

FEATURE SUMMARY

System:

- Mobile Intel® Pentium® M, Celeron® M performance
- Intel 855GME Embedded chipset
- Max. 1GB DDR SDRAM
- 1 x Ethernet LAN
- 2 x Compact Flash sockets
- Sound
- 1 MB SRAM and 2 MB ROM
- EEPROM
- ATI Mobility Radeon 9000 Graphics on board

I/O:

- 2 x RS232/TTL Serial
- Optional Innocore I/O cards

Video:

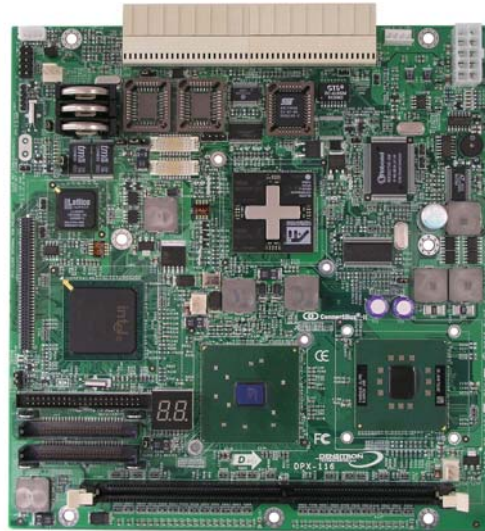
- ATI Mobility Radeon 9000 Graphics on board
- Dual independent monitor support

Security:

- TPM security device on board
- Intrusion switch inputs
- BIOS customisation

Software:

- Edge-to-edge drivers and API/SDK.
- Range of Innocore software products for Gaming



I/O and Backplane



BENEFITS

- Low Power (CPU power between 5W and 25W)
- Small size – 195 x185mm (7.3 x7.7"), 50% smaller than an ATX board
- ConnectBus®-II: Single connector for reliability and serviceability
- 3D graphics: Fast ATi® Mobility™ Radeon™ support dual independent monitors
- Security: On-board security features tailored for gaming
- Designed for the Gaming Industry
- Meets GLI and other regulatory standards

See overleaf detailed specification

CPU/Chipset:

Intel® Celeron® M 600MHz – 2.0GHz
Celeron M 370 (1.5/1/400/21W)
Celeron M 320 (1.3/512/400/24.5W)
Intel® Pentium® M 1.0 to 2.0 GHz
Pentium M 1.6/1/400/24.5W)
Pentium M 745 1.8/2/400/21W)
Very low power operation
Intel® 855GME Embedded/long lifecycle
chipset and CPUs.

Memory:

1 x 184-pin DIMM socket
DDR 266, 333 SDRAM Max 1GB

BIOS:

Award PCI/PnP/ACPI BIOS
BIOS Flash can be write protected
Fast boot option "No user menu" option

Video:

1) High End - ATi® Mobility™ Radeon™
A range of performance levels available:
Mobility™ Radeon™ 7500 32 MB
Mobility™ Radeon™ 9000 64 MB

Video resolutions to 1600x1200
Dual independent display support
Native support for widescreen (16:9)
Advanced 2D and 3D acceleration features
for smooth, high quality graphics
RAMDAC to 400MHz. DVI (TMDS) to
UXGA (1600x1200), LVDS to QXGA
(2048x1536)

Or:

2) Integrated - Intel Extreme Graphics 2

Video Ports:

Primary: - Analog RGB or DVI
Secondary: - Analog VGA or dual-channel
LVDS (header)
Direct digital drive of LCD and Plasma

LAN:

PCI Bus Master 10/100Base-TX Ethernet
Full duplex operation
Wake-On-LAN capability

IDE Controller:

1 channel (2 devices) ATA/UDMA-100 for
HDD/CD/DVD/Flash

Compact Flash:

2 CompactFlash Type I/II headers
(Flash/MicroDrive)

Ports:

2 x RS232 Serial, 16550 compatible
6 x USB 2.0 with over-current detect

Keyboard/Mouse on-board and also
through ConnectBus-II+®

* ConnectBus-II I/O board provides 32
inputs, 40 outputs, 8 extra COM ports, and
audio amplification.

Sound:

Accelerated PCI wavetable polyphonic
sound. 6-channel Line level outputs
Microphone input CD line level input
(Header). Stereo line in SPDIF (Digital)
audio out

ROM:

2MB EPROM/OTPROM onboard (PCI,
Bootable)

SRAM On-Board:

1 or 2 banks of fast 512kB SRAM on PCI
bus
Each bank with separate lithium battery
Battery state software readable

SRAM Expansion:

SRAM module up to add'l 4MB removable
module.

Security:

TCPA/TPM compliant security device

Watchdog Timer:

Programmable time-out of 1-255 seconds
"Always on" design (default 255 seconds)

EEPROM:

Serial EEPROM for storage of serial
numbers, data, security keys. 8-32kB or
higher

Intrusion Detection:

Six Intrusion detection input lines
Operates with and without system active
Logs date/time of last 16 events
Logs system resets/brownouts as events

System Health Monitoring:

Measurement of CPU core temp. with
thermal trip
Speed monitoring for two system fans (if
needed)

Interface Connector:

240-pin, 5-row right-angle socket,
ConnectBus®-II+ pinout

Expansion:

1) Up to 240 Bytes of PCI-based I/O
expansion available through DirectPCI
interface of the ConnectBus®-II connector
2) High Density PCI connector

Power:

3.3V, 5V, 12V typical 20-45W

Environment:

Operating Temperature: 0 – 50 °C
Storage Temperature: -20 – 85 °C

Approvals:

EMC: CE, FCC Class A

Dimensions:

195mm x 185 mm (7.7" x 7.3")

Optional Hardware:

- Developer's kit chassis
- Range of Innocore I/O Cards
- Range of Innocore Connectbus-II+ Backplanes



OEM Customization and Product Development:

Innocore specializes in the fields of
PC-based hardware design and
software development. Our in-depth
knowledge and global resources make
us your ideal partner.

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