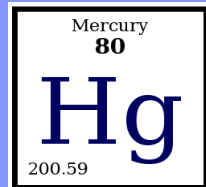


boundary devices



The elements of your next design.

Introduces...

The Mercury Board

This single board computer (SBC) has the latest ARM 11 based i.MX31 processor from Freescale. This very low power SBC (less than 3 watts) was developed for interactive multimedia intensive applications such as gaming, digital signage, and self-service kiosks.

The Mercury board contains many exciting and powerful features. The integrated security features are unparalleled and are a great benefit for gaming applications. For graphics intensive applications, the Mercury board provides a 3-D Graphics Processing Unit (GPU) that allows for stunning image quality.

The Mercury board supports and easily interfaces with printers, magnetic card readers, bar code scanners, printers and keypads. As seen in the picture, the Mercury board has a form factor that fits behind a 6.2" display. However, the Mercury board is capable of handling many different display sizes. The powerful, feature rich i.MX31 processor provides a limitless number of opportunities for the Mercury board.



The following are additional highlights of the Mercury board:

- Freescale iMX31 CPU with speeds to 524MHz
- 128MB DDR Memory (266MHz) up to 256MB
- 256MB to 1GB Low Cost NAND Flash
- 128kB of L2 Cache
- 3-D Graphics Acceleration
- Security Features including Random Number Generator and Encryption Accelerator
- Active Matrix LCD Support, Including Full-Motion Video
- 4-Wire/5-wire Resistive Touch-Screen Support
- 48KHz Stereo 16-Bit Audio Output, for Headphones or Speakers
- 48KHz Monaural Audio Input (microphone)
- 3 RS-232 or TTL Serial Ports
- High Speed USB 2.0 On the Go
- Built-in 10/100 Ethernet Controller,
- Easy to Interface with Magnetic Stripe Readers, Bar Code Scanners, Printers and Keypads
- PWM Brightness Control (Gaming)
- SD Slot for Expanded Storage
- MPEG Encoder/Decoder
- General Purpose I/O for Device Control
- Supports Windows Ce or Linux Operating Systems
- RoHS compliant
- Power-Over-Ethernet (PoE) Capability With pluggable PoE module

For additional information on Mercury and all other Boundary Devices products, please contact Watters & Associates.



Represented by:
Watters & Associates
A Manufacturer's Representative
5030 S. Mill Ave., Suite C5, Tempe, AZ 85282
(480) 222-4900 Fax (480) 222-4904
www.wattersinc.com