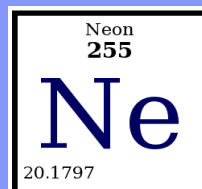


# boundary devices



*The elements of your next design.*

Introduces...

## The Neon Board

The Neon is a powerful, feature-rich X-Scale, single-board Computer (SBC), developed specifically for the gaming and player tracking industries.

Neon was designed to support LCD displays up to 1280 x 1024 pixels, with or without touch-screen. It also supports and easily interfaces with printers, magnetic card readers, bar code scanners, printers and keypads. General purpose I/O supports a wide variety of application-specific interface requirements. As seen in the picture, the Neon board fits perfectly behind a 6.2" display. However, it supports a wide variety of displays.

Besides Neon, Boundary Devices offers design and production of custom single board computers, for your special applications. Boundary offers software development and support, and can meet your production requirements with ISO-Certified manufacturing.

The following are additional highlights of the Neon board:

- Marvell PXA-255 CPU 400 MHz
- 32 or 64MB SDRAM
- 8 or 32MB Intel StrataFlash (tm) EEPROM
- Supports Windows CE or Linux Operating Systems
- Silicon Motion SM-502 Graphics Controller
- Active Matrix LCD Support,  
Including Full-Motion Video
- 4-Wire/5 Wire Resistive Touch-Screen Support
- 44KHz Stereo 16-Bit Audio Output,  
for Headphones or Speakers
- 44KHz Monaural Audio Input (microphone)
- 2 RS-232 or TTL Serial Ports
- 1 Full-Speed USB 2.0 Slave Port
- 1 Full-Speed USB 2.0 Master Port
- RS485 Support Available
- Built-in 10/100 Ethernet Controller,
- Easy to Interface with Magnetic Stripe Readers, Bar Code Scanners, Printers and Keypads
- SD Slot for Expanded Storage
- General Purpose I/O for Device Control
- Customized Versions Available
- RoHS compliant
- Power-Over-Ethernet (PoE) Capability  
With pluggable PoE module

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



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