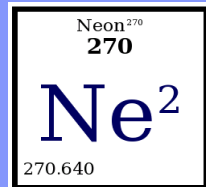


boundary devices



The elements of your next design.

Introduces...

The Neon²⁷⁰ Board

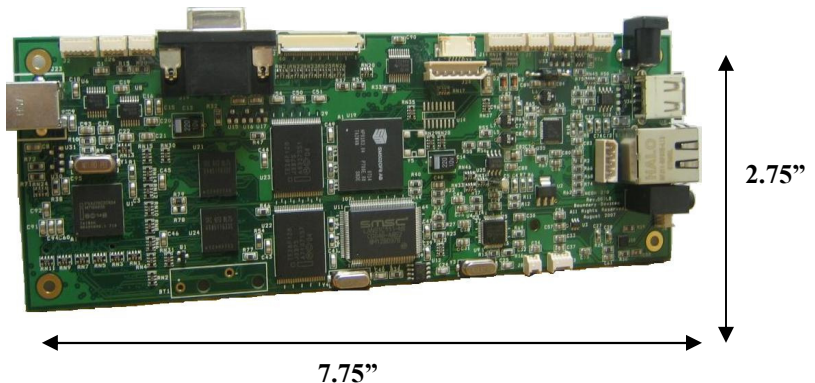
The Neon²⁷⁰ is a powerful, feature-rich single-board computer (SBC), based on Marvell's extremely powerful PXA-270 processor. It was developed specifically for gaming and self-service kiosk applications.

The Neon²⁷⁰ is a more powerful version of the Neon board with twice as much memory capacity and 50% faster CPU. This allows for significantly improved performance while maintaining all of the great features of the Neon board. In addition to the added performance, the Neon²⁷⁰ has an additional serial port and I2C capability.

Neon²⁷⁰ 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.

The following are additional highlights of the Neon²⁷⁰ board:

- Marvell PXA-270 CPU with speeds to 624MHz
- 64 or 128MB SDRAM
- 8 or 32MB Intel StrataFlash (tm) EEPROM
- 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)
- 3 RS-232 or TTL Serial Ports
- 1 Full-Speed USB 2.0 Slave Port
- 2 Full-Speed USB 2.0 Master Port
- Power-Over-Ethernet (PoE) Capability With pluggable PoE module
- 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
- Supports Windows CE or Linux Operating Systems
- Customized Versions Available
- RoHS compliant
- I2C Support

For additional information on Neon²⁷⁰ and all other Boundary Devices products, please contact Watters & Associates.



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