

System ICs

Etron is a world-class fabless IC design and product company of excellence. The company offers cutting-edge Known-Good-Die (KGD) and packaged ICs, which cover DDR DRAM, SDR DRAM, Low Power SDRAM, and system chips. Etron's premium quality integrated circuits are widely used in various emerging applications, such as storage device, display, handset, PDA, and multimedia device. As a publicly-traded company headquartered in Taiwan (ROSE:5351), Etron strives to bridge the borders between the Asia-Pacific region and the international marketplace. It conducts active business with companies in the US, Europe, Japan, as well as other Asian countries.

Established in 1991, Etron pioneered Taiwan's "National Sub-micron Project" and helped develop Taiwan's first 8-inch wafer sub-micron technology, building a solid foundation for the DRAM and SRAM industries in Taiwan. The company's performance has been recognized through many awards over the years, including the "Industrial Technology Advancement Award" from the Economic Affairs Ministry in 1999 and the annual "Best Innovative Product Awards" from the Hsinchu Science Park consecutively through 2001 to 2003. Major customers with a prestigious status in the worldwide market have also honored Etron as their Preferred Quality Supplier.

Etron has kept the flexibility, agility and product focus of a fabless IC company by establishing strong partnerships with leading foundries and companies having complementary skills from different specialty segments. It also actively upholds the attentive customer services of a fabless operation. With a deep knowledge in silicon technology and manufacturing, as well as quality management, Etron has overcome the weakness of traditional fabless companies.

For More Info Contact:



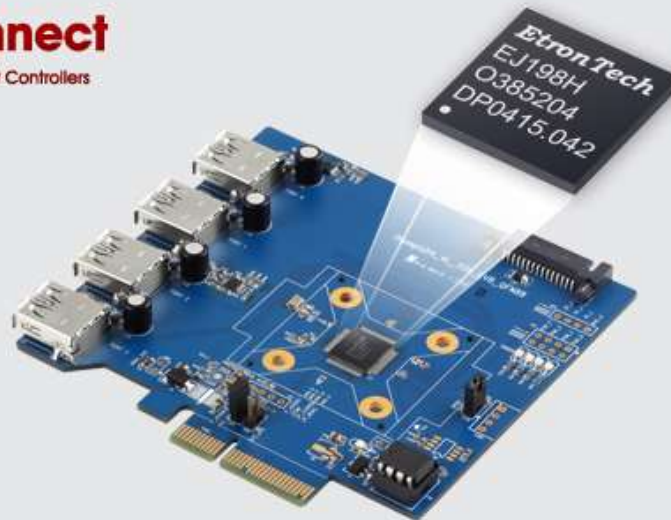
10001 16th Street
St. Petersburg, FL 33716
TF: 866.651.2901
P: 727.828.0187
F: 727.828.0160
sales@nacsemi.com

USB3.0 Host Controllers



LifeConnect

Living USB 3.0 Host Controllers



Living USB 3.0 Host Controller

Etron is committed to providing a cutting edge USB 3.0 Host Controllers with the world's fastest access speeds and best compatibility. It meets the newest xHCI (Extended Host Controller Interface) 1.0 specification and passed the USB-IF logo test, enabling the accelerated adoption of USB 3.0 technology in computers and multimedia electronic products worldwide. In addition, it has received a Windows Logo certificate from Microsoft's Windows Hardware Quality Labs (WHQL) including Windows XP, Windows Vista, Windows 7 and Windows 8, representing mainstream acceptance of Etron's wholly self-designed product and technology and ensuring that customer products will interact with Windows OS smoothly and provide a stable and superior performance. Except supporting Windows driver, it also supported Linux and Mac driver which enabling the USB3.0 support in consumer application, embedded application and Mac platform. With its completely independently developed IP technology, Etron helps customers to optimize performance on each layer from the physical layer (PHY) to the driver and achieve the best overall system performance providing consummate service and support.

Features

• Host Interface

- Compliant with the PCI Express Base Specification Revision 2.0
- Supports the PCI Bus Power Management Interface Specification Revision 1.2
- Supports the SPI/I2C type ROM/ flash
- System clock uses either 25MHz crystal or external clock
- 3.3V for I/O power and 1.2V for core power

• USB Interface

- Compliant with the Universal Serial Bus 3.0 specifications Revision 1.0
- Supports data rate: LowSpeed (1.5 Mbps)/ FullSpeed (12 Mbps)/ HighSpeed (480 Mbps)/ SuperSpeed (5 Gbps)
- Support USB data transfer types: Control/ Bulk(stream)/ Interrupt/ Isochronous transfer
- Compliant with eXtensible Host Controller Interface (xHCI) Specification revision 1.0
- Supports Battery Charging specifications Revision 1.2 (Supported by EJ188 an EJ198)

• Supports Windows, Linux, and MAC driver

USB3.0 Flash Drive Controllers



LifeRecall

Living USB 3.0 Flash Drive Controllers



Features

- USB-ZIP/USB-HDD Boot Up
- Compliant to USB1.1, USB2.0 and USB3.0 specification
- Support Auto-Run/Multiple LUN/Security
- Support Windows XP/Vista, Windows7, Windows 8, MacOS, and Linux Kernel 2.4+
- Configurable Removable or Fixed Media Types
- Configurable USB Vendor/Product String
- Write Protect Switch
- Individual Ready/Busy LED indicator for USB2/3
- Built-in 1.2V LDO
- Single crystal oscillator of 25MHz
- One Write Protect control input
- On-chip power-on-reset detection logic
- Embedded 1.2V LDO

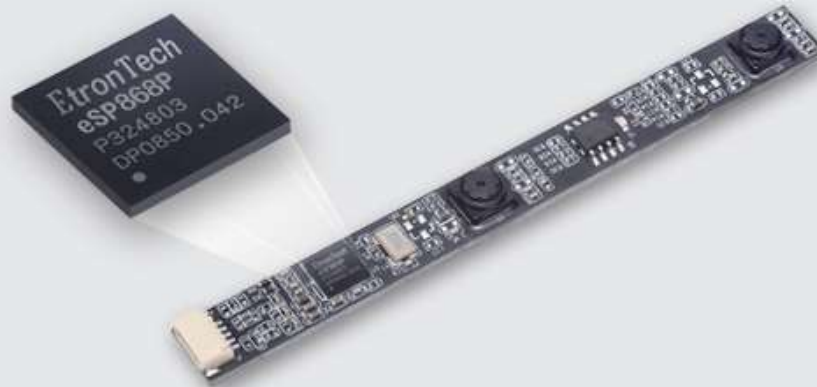
USB Interface

- USB 3.0 Specification Rev. 1.0
- USB Specification Rev. 2.0
- Mass Storage Class Bulk-Only Transport (BOT)
- USB Attached SCSI Protocol (UASP)

Webcam Controllers



LifeSense
Living Webcam Controllers



Living Webcam Controllers

Etron has an extensive range of Video and Image ICs, providing highly integrated USB 2.0 High-Speed (HS) and Full-Speed (FS) compatible Web camera controllers to meet your needs. Besides, Etron is dedicated to reducing total BOM cost significantly and meet system requirements in a smaller form factor. Applications include thin LCD panels, notebook and PC cameras, security equipment, TV, and handheld device applications.

Features

- Certified by Microsoft WHQL & USB-IF
- Support platforms: Window XP SP3, Window XP 64, Vista 32, Vista 64, Window 7, Mac OS X, and Linux with UVC driver
Support Isochronous endpoint (video, 24MB/s max.)
- Support remote wakeup from USB event
- UART for debug
- Support I2C for CIS control
- Support I2C slave by external HOST

Applications



3D Cam



WiFi Cam



NB Cam



PC Cam