

# PL-2307

## USB TO ATAPI-4 Bridge Controller

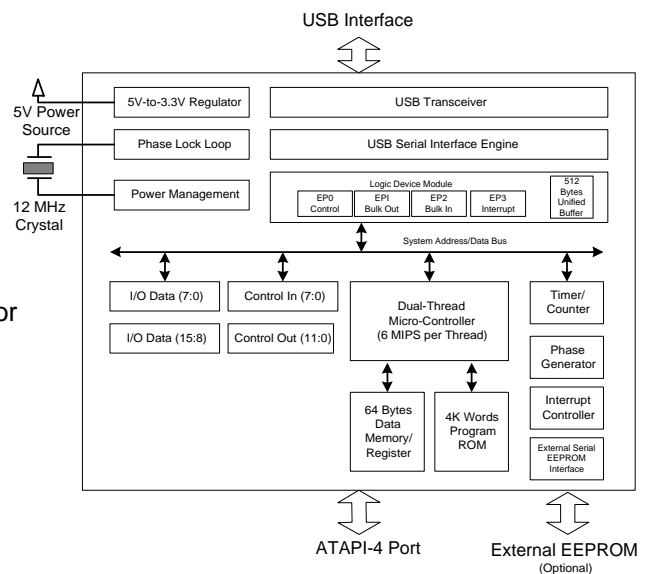
### OVERVIEW

The PL-2307 integrated circuit provides a high-speed bridge between the Universal Serial Bus (USB) system and ATAPI-4 compliant peripheral devices. It is designed to be a flexible, high performance, and low-cost single-chip solution for USB-to-IDE cable as well as USB ready external "IDE Box" manufacturers.

PL-2307 supports most commands and features as defined by ATAPI-4 commands. The user will be able to customize the chip and show their identity through the external serial EEPROM support. The user could also modify the Vendor ID, Product ID, Language ID, manufacturer string, product string, and serial number strings of the final product. Furthermore they could use this EEPROM to store authorization/security codes. For large quantity orders, it is also possible to modify the Maskable ROM (Read Only Memory) of PL-2307 to better represent the final product manufacturer and thus eliminate the need for external EEPROM.

### FEATURES

- Full compliance with the Universal Serial Bus Specification
- Support ATAPI-4 PIO and PACKET commands and Master/Slave Multiple Drives
- On chip transceivers and 5V-3.3V regulator for USB interface
- 512 Bytes unified data buffer dynamically allocated for upstream and downstream data transfer: Up to 700 KB/sec
- Drivers provided for Microsoft Windows 98
- 56 pins SSOP Package



### SYSTEM REQUIREMENT

- Intel 486DX4-100 MHz CPU or higher
- One Standard USB port and has the symbol



- Windows 98

### Prolific Technology Inc.

7F, No. 48, Sec. 3, Nan-Kang Rd.,  
 Taipei, Taiwan, R. O. C.  
 Tel : 886-2-2654-6363  
 Fax : 886-2-2654-6161  
 E-mail : [sales@prolific.com.tw](mailto:sales@prolific.com.tw)  
<http://www.prolific.com.tw>

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