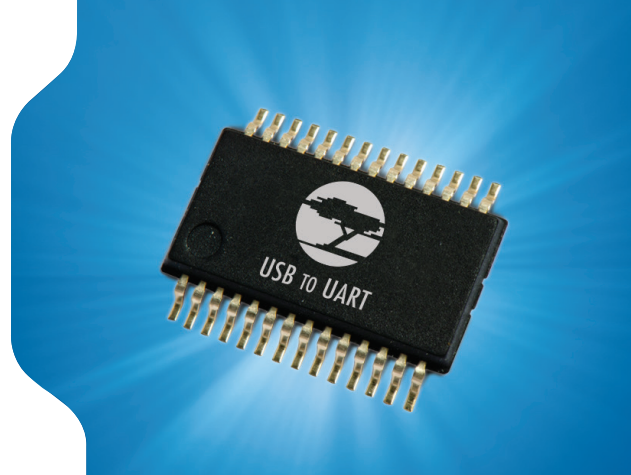


CYPRESS

# PLUG-AND-PLAY USB CONNECTIVITY FOR UART INTERFACE

SEAMLESS USB CONNECTIVITY TO LEGACY PERIPHERALS WITH UART INTERFACES

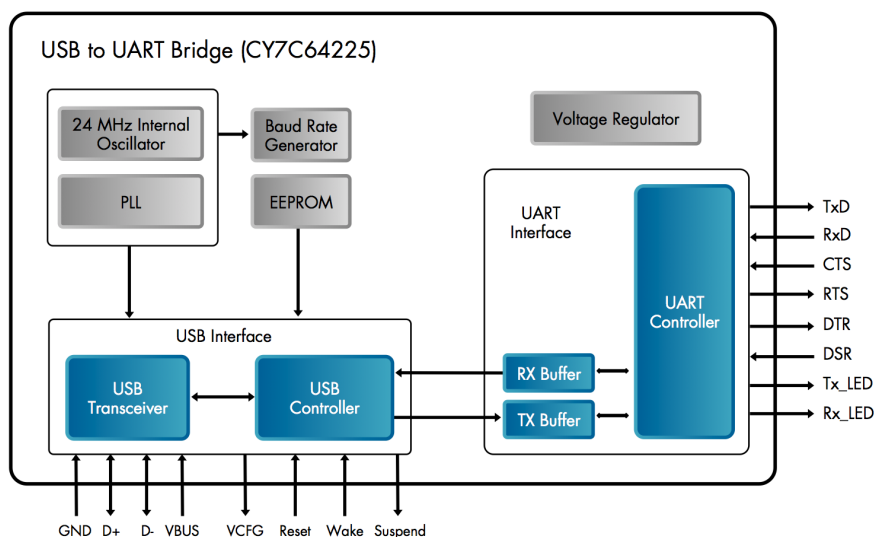


## PRODUCT OVERVIEW

### INTRODUCTION

Cypress's USB to UART Bridge Controller solution brings plug-and-play USB connectivity to legacy UART peripherals. This fully integrated device includes a USB 2.0 Full-Speed controller, voltage regulator and internal EEPROM.

The USB to UART Bridge Controller requires no programming, making it ideal for upgrading legacy POS terminals, industrial meters, servers and other such peripherals to USB interface.



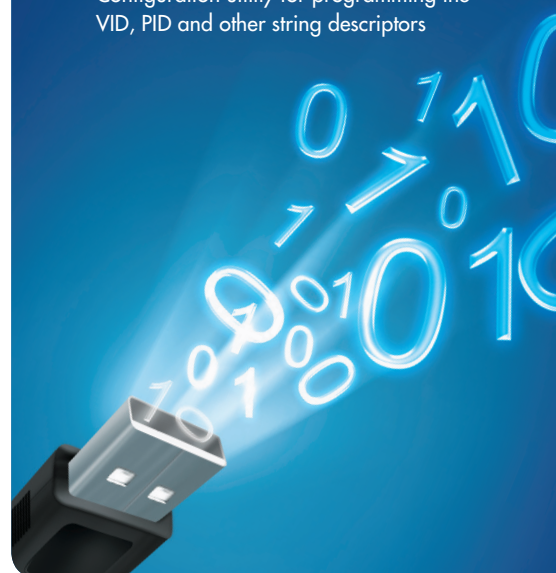
USB to UART Interface

### APPLICATIONS:

- Active USB to UART Cable: Enable cables to connect USB with UART interface
- Point of Service (POS) Terminal Printers: Provide legacy POS printers connectivity via USB
- Industrial and Metering Devices: Update meters to interface via USB
- Legacy Peripherals for USB Compatibility: Enables legacy UART devices to connect via USB

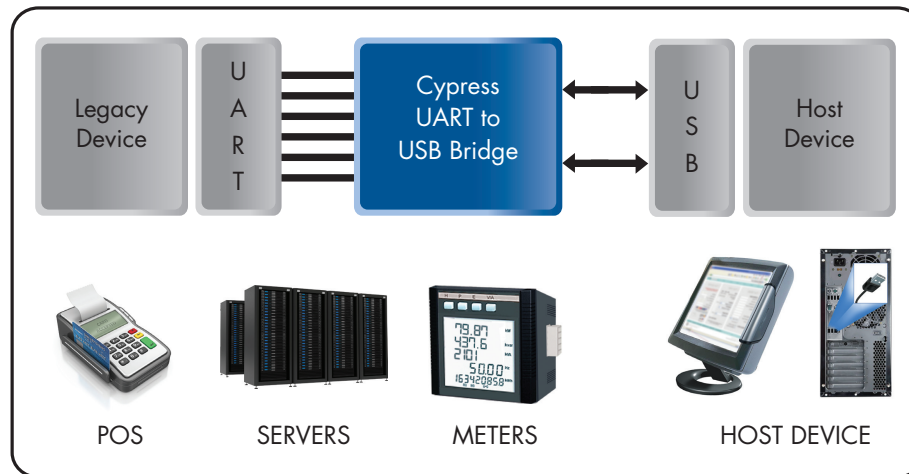
### FEATURES

- FULLY INTEGRATED SINGLE CHIP SOLUTION
  - Integrated clock, EEPROM, USB termination resistors and voltage regulator
- UART CONTROLLER
  - Equipped with Tx/Rx data buffers
  - LED driver indicating data activity
  - Configurable data rates
- ACTIVE POWER MANAGEMENT
  - Bus and self-powered mode
  - Typical supply current: 14 mA
  - $V_{CFG}$ , Suspend and Remote Wake-up options
- DRIVER SUPPORT
  - WHQL certified driver for Virtual COM Port
  - Linux & Mac support
- SOFTWARE SUPPORT
  - Configuration utility for programming the VID, PID and other string descriptors



## BENEFITS

- Ensures quick time-to-market with minimal design effort by the customer
- Reduces BOM cost and PCB real estate
- Ensures efficient power management for the whole system
- Requires absolutely no firmware or software development



USB connectivity for legacy UART peripherals

## USB TO UART INTERFACE PART DETAILS

Part number	Memory Architecture	Memory Size(KB)	Data Transfer	I/O Options	Max. Operating Voltage (V)	Application	Package	Max. Operating Temperature (Celsius)	Status
CY7C64225-28PVXC	Flash	16	Bulk, Interrupt	8-Bit UART	5.25	USB Full-Speed Peripherals	SSOP	70	In Production

## GET STARTED NOW

Go to [www.cypress.com/usb-uart](http://www.cypress.com/usb-uart) for more information about USB to UART interface solutions or contact your nearest sales representative.

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