

**Full Speed USB to Basic UART IC USB 2.0 1.8V/2.5V/3.3V/5V  
T/R 12-Pin DFN EP**

**Manufacturer:** [FTDI Chip](#)

FT234XD-R Image

**Package/Case:** DFN-12

Images are for reference only

**Product Type:** Interface ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

## General Description

## Key Features

Single Chip USB to Asynchronous Serial Data Transfer Interface

Entire USB Protocol Handled on Chip, No USB Specific Firmware Programming Required

Fully Integrated 2048-byte EEPROM for Storing Device Descriptors and CBUS I/O Configuration

Fully Integrated Clock Generation with no external crystal required + Optional clock o/p selection

Data Transfer Rates from 300 Baud to 3Mbaud

512-byte Transmit and Receive Buffer utilising buffer smoothing technology for high data throughput

Royalty-free VCP and Direct (D2XX) drivers eliminate requirement for USB driver development

Configurable CBUS I/O Pins

Transmit and Receive LED Drive Signals

UART Interface Support for 7 or 8 Data Bits, 1 or 2 Stop Bits and Odd/Even/Mark/Space/No Parity

Synchronous and Asynchronous Bit Bang Interface Options with RD# and WR# Strokes

Battery Charger Detection, presence of a charger on USB port to enable faster charging of Batteries

Device Supplied Pre-programmed with Unique USB Serial Number

Supports Bus Powered, Self-powered and High-power Bus Powered USB Configurations

Integrated +3.3V Level Converter for USB I/O

True 3.3V CMOS drive output and TTL input (Operates down to 1V8 with external pull up)

Configurable I/O Pin Output Drive Strength

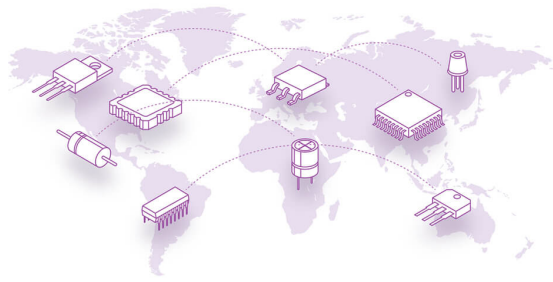
Integrated Power-on-reset Circuit

UART Signal Inversion Option

Internal 3.3/1.8V LDO Regulators

## Application

Signal Processing, Computers & Computer Peripherals, Communications & Networking, Consumer Electronics, Sensing & Instrumentation, Industrial, Power Management



## Recommended For You

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### **FT232RQ-Reel**

FTDI Chip

QFN32

### **FT231XS-R**

FTDI Chip

SSOP-20

### **FT311D-32LIC-R**

FTDI Chip

LQFP32

### **FT232BM**

FTDI Chip

QFP32

### **FT230XQ-R**

FTDI Chip

QFN16

### **FT201XS-R**

FTDI Chip

SSOP16

### **FT200XD-R**

FTDI Chip

DFN-10

### **FT234XD-T**

FTDI Chip

DFN-12

### **FT4232H-56Q-TRAY**

FTDI Chip

VQFN-56

### **FT232RQ-Tray**

FTDI Chip

QFN32

### **FT260S-U**

FTDI Chip

TSSOP-28

### **FT231XS-U**

FTDI Chip

SSOP-20

### **FT201XQ-R**

FTDI Chip

WQFN-16

### **FT245RL-Reel**

FTDI Chip

SSOP-28

### **FT220XS-R**

FTDI Chip

SSOP-16