Full Speed/High Speed USB to Basic UART IC USB 1.1/USB 2.0 5V T/R 16-Pin QFN EP

Manufacturer:	FTDI Chip
Package/Case:	QFN16
Product Type:	Interface ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active
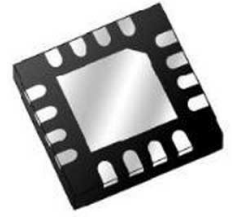
Images are for reference only

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# Strobes

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 3.3V/1.8V LDO Regulators

Recommended For You

FT232RQ-Reel	**FT231XS-R**	**FT311D-32L1C-R**
FTDI Chip	FTDI Chip	FTDI Chip
QFN32	SSOP-20	LQFP32

FT234XD-R	**FT232BM**	**FT201XS-R**
FTDI Chip	FTDI Chip	FTDI Chip
DFN-12	QFP32	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

FT200XD-R

FTDI Chip

FT234XD-T

FTDI Chip

FT4232H-56Q-TRAY

FTDI Chip

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