

FTDI USB Interface Products

RoHS Compliant This product is RoHS compliant.

Embedded Modules

FTDI HI-SPEED IC BASED MODULES

The FTDI Hi-Speed Mini Modules are USB to dual/quad channel serial/MPSSE/FIFO interface converter modules based on the FT232HL/FT4232H USB Hi-Speed IC's. The Morph-IC-II which features FTDI's FT232HL USB2.0 Hi-Speed Controller and Altera Cyclone II FPGA (up to 80K gates), provides a high speed ASIC development platform. The module provides JTAG connectivity for debugging, and 80 GPIO's on standard 0.1" pitch dual line headers, for external circuit inter-connection and easy prototype development.

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each
895-MORPH-IC-II	Morph-IC-II	A	USB Hi-Speed FPGA Development Module w/ Altera Cyclone-II FPGA and FT232HL	110.00
895-FT232HMINIMOD	FT232H MINI MOD	B	USB Hi-Speed to 2-Port UART/FIFO/JTAG/SPI/I2C Serial FT232H Evaluation Module	27.00
895-FT4232HMINIMOD	FT4232H MINI MOD	B	USB Hi-Speed to 4-Port UART/JTAG/SPI/I2C Serial FT4232H Evaluation Module	29.90

FTDI FT232R BASED MODULES

FTDI offers a range of modules based on the FT232R IC. These modules include USB - RS232 converters, DIP modules and a mini-module only slightly larger than a USB connector. These products allow customers to quickly evaluate the FT232R device and drivers prior to commencing their own design.

895-EVAL232R	EVAL232R	C	USB to RS232 Evaluation Module for FT232RL	21.00
895-UM232R	UM232R	D	USB to Serial UART Module	20.00
895-MM232R	MM232R	E	USB to Serial UART Mini Module	18.00
895-UB232R	UB232R	F	Mini USB to Serial UART Module w/USB Mini Connector	17.50
895-DB9-USB-RS232-F	DB9-USB-F	G	USB to RS232 Adapter w/Embedded Electronics to Retrofit a DB9 Male Connector	22.04
895-DB9-USB-RS232-M	DB9-USB-M	G	USB to RS232 Adapter w/Embedded Electronics to Retrofit a DB9 Female Connector	22.04

FTDI FT4232H USB HI-SPEED SERIAL/HUB MODULE

The FT4232H based USB Hi-Speed Serial/Hub Module is a USB interface expansion module targeted at connecting to the FTDI V2DIPx modules to expand the number of interfaces. However, it is not limited to this application. It can also be used as a hub device or an FT4232H evaluation module. The module has a USB 2.0 Hi-Speed hub chip which supports up to three external downstream USB ports: 2 via a dual USB connector and 1 via the DIL connector pins.

NEW PRODUCT

895-FT-MOD-4232HUB	FT-MOD-4232HUB	H	USB Hi-Speed Serial/Hub Module	35.00
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FTDI USB-COM-PLUS MODULES

NEW PRODUCT

The USB-COM-PLUS modules provide a simple method of adapting legacy serial devices with RS232, RS422, RS485 interfaces to modern USB ports. The USB-COM-PLUS modules provides either single, dual or quad port options. Single port modules feature a USB 2.0 Full speed (12Mb/s) interface while all multiport modules feature a USB 2.0 Hi-Speed (480Mb/s) interface. All modules are powered from the USB port, saving the need for an additional power adapter and associated costs. Maximum baud rates for RS232 versions is 1MBaud and for the RS422/485 version is 3MBaud (single channel) and 10MBaud (multi-channel). Modules operating temperature range is -40°C to +85°C and are CE/FCC approved.

895-USB-COM232-PLUS1	USB-COM232-PLUS1	I	Full-Speed USB to 1-Port RS232 Module, utilizes FT232R IC	19.00
895-USB-COM232-PLUS2	USB-COM232-PLUS2	J	Hi-Speed USB to 2-Port RS232 Module, utilizes FT232H IC	34.00
895-USB-COM232-PLUS4	USB-COM232-PLUS4	K	Hi-Speed USB to 4-Port RS232 Module, utilizes FT4232H IC	49.00
895-USB-COM422-PLUS1	USB-COM422-PLUS1	I	Full-Speed USB to 1-Port RS422 Module, utilizes FT232R IC	29.00
895-USB-COM422-PLUS2	USB-COM422-PLUS2	J	Hi-Speed USB to 2-Port RS422 Module, utilizes FT232H IC	60.00
895-USB-COM422-PLUS4	USB-COM422-PLUS4	K	Hi-Speed USB to 4-Port RS422 Module, utilizes FT4232H IC	86.00
895-USB-COM485-PLUS1	USB-COM485-PLUS1	I	Full-Speed USB to 1-Port RS485 Module, utilizes FT232R IC	26.00
895-USB-COM485-PLUS2	USB-COM485-PLUS2	J	Hi-Speed USB to 2-Port RS485 Module, utilizes FT232H IC	40.00
895-USB-COM485-PLUS4	USB-COM485-PLUS4	K	Hi-Speed USB to 4-Port RS485 Module, utilizes FT4232H IC	60.00
895-UM232H	UM232H	L	Development Module for FT232H	20.00

FTDI UM245R USB TO PARALLEL FIFO MODULE

The UM245R module is a USB to Parallel FIFO interface (TTL) development module for the FT245R IC device. The UM245R is supplied on a PCB designed to fit a 24 pin DIP socket, and provides access to all FIFO interface and control pins (TXE#, RXF#, RD#, WR) of the FT245R device. This module can be configured as either USB bus-powered or self-powered and also supports 5V or 3V3 level interface IOs via two sets of jumper setting pins and can transfer data at up to 1 MegaByte per second.

895-UM245R	UM245R	D	USB to Parallel FIFO Module	20.00
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FTDI USB CABLE ASSEMBLIES WITH EMBEDDED ELECTRONICS

FTDI offers an extensive range of converter cables, with embedded FTDI technology that provides quick and easy solutions for upgrading legacy serial protocol standards to USB.

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each
895-TTL-232RG-VIP-WE	TTL-232RG-VIP-WE	M	USB to UART Cable User Specified Logic Levels, Wire Ended, w/LEDs	19.45
895-TTL232RGV3W3VWE	TTL-232RG-VSW3V3-WE	M	USB to UART Cable Wire Ended, +3.3V Switched Power @ 50mA, w/LEDs	21.07
895-TTL-232RGV5V5VWE	TTL-232RG-VSW5V-WE	M	USB to UART Cable Wire Ended, +5V TTL Switched Power @ 450mA, w/LEDs	21.07
895-TTL232RGVREG1V8WE	TTL-232RG-VREG1V8-WE	M	USB to UART Converter Cable Wire Ended +1.8V TTL, 100mA, w/LEDs	24.64
895-TTL232RGVREG3V3WE	TTL-232RG-VREG3V3-WE	M	USB to UART Converter Cable Wire Ended +3.3V TTL, 250mA, w/LEDs	24.64
895-TTL-232R-3V3-WE	TTL-232R-3V3-WE	M	USB to TTL Serial Converter Cable - Wire Ended, 3.3V IOs	20.00
895-TTL-232R-5V-WE	TTL-232R-5V-WE	M	USB to TTL Serial Converter Cable - Wire Ended, 5V IOs	20.00
895-TTL-232R-3V3-PCB	TTL-232R-3V3-PCB	N	USB to TTL Serial UART Converter - PCB Assy w/ USB Connector, 3.3V IOs	15.00
895-TTL-232R-5V-PCB	TTL-232R-5V-PCB	N	USB to TTL Serial UART Converter - PCB Assy w/ USB Connector, 5V IOs	15.00
895-TTL-232R-3V3	TTL-232R-3V3	O	USB to TTL Serial Converter Cable - 3.3V IOs	20.00
895-TTL-232R-5V	TTL-232R-5V	O	USB to TTL Serial Converter Cable - 5V IOs	20.00
895-TTL-232R-3V3-2MM	TTL-232R-3V3-2MM	O	USB to TTL Serial Converter Cable - 8 Pin Header 2mm Pitch, 3.3V IOs	20.00
895-TTL-232R-3V3-AJ	TTL-232R-3V3-AJ	P	USB to TTL Serial Converter Cable - Audio Jack Connector, 3.3V IOs	20.00
895-TTL-232R-5V-AJ	TTL-232R-5V-AJ	P	USB to TTL Serial Converter Cable - Audio Jack Connector, 5V IOs	20.00
895-USBR232WE1800BT	USB-RS232-WE-1800-BT-0.0	M	USB to RS232 Levels Serial UART Converter Cable - Wire Ended, 1.8m w/LEDs	23.50
895-USBR232WE1800BT	USB-RS232-WE-1800-BT-3.3	M	USB to RS232 Levels Serial UART Converter Cable - Wire Ended, 1.8m, +3.3V, 75mA w/LEDs	23.50
895-USBR232WE1800BT	USB-RS232-WE-1800-BT-5.0	M	USB to RS232 Levels Serial UART Converter Cable - Wire Ended, 1.8m, +5V, 75mA w/LEDs	23.50
895-USBR232WESB0T	USB-RS232-WE-5000-BT-0.0	M	USB to RS232 Levels Serial UART Converter Cable - Wire Ended, 5m w/LEDs	36.00
895-USBR232WESB0T	USB-RS232-WE-5000-BT-3.3	M	USB to RS232 Levels Serial UART Converter Cable - Wire Ended, 5m, +3.3V, 75mA w/LEDs	36.00
895-USBR232WESB0T	USB-RS232-WE-5000-BT-5.0	M	USB to RS232 Levels Serial UART Converter Cable - Wire Ended, 5m, +5V, 75mA w/LEDs	36.00
895-USBR422WE5000BT	USB-RS422-WE-5000-BT	M	USB to RS422 Levels Serial UART Converter Cable - Wire Ended, 5m w/LEDs	47.50
895-USBR422WE1800BT	USB-RS422-WE-1800-BT	M	USB to RS422 Levels Serial UART Converter Cable - Wire Ended, 1.8m w/LEDs	35.00
895-USBR485WE1800BT	USB-RS485-WE-1800-BT	M	USB to RS485 Levels Serial UART Converter Cable - Wire Ended, 1.8m w/LEDs	30.00
895-USBR485WE5000BT	USB-RS485-WE-5000-BT	M	USB to RS485 Levels Serial UART Converter Cable - Wire Ended, 5m w/LEDs	42.50
895-USB-RS232-PCBA	USB-RS232-PCBA	N	USB to RS232 Level Serial UART Converter - PCB Assy w/ USB Connector	18.00
895-USB-RS422-PCBA	USB-RS422-PCBA	N	USB to RS422 Level Serial UART Converter - PCB Assy w/ USB Connector	30.00
895-USB-RS485-PCBA	USB-RS485-PCBA	N	USB to RS485 Level Serial UART Converter - PCB Assy w/ USB Connector	25.00
895-UC232R-NE	UC232R-NE	Q	USB to RS232 Converter Cable, Open PCB - 10cm	18.00
895-UC232R-10	UC232R-10	R	USB to RS232 Converter Cable - 10cm	18.50
895-US232R-10-BLK	US232R-10-BULK	S	Premium USB to RS232 Converter Cable - 10cm w/LEDs	22.00
895-US232R-100-BLK	US232R-100-BULK	S	Premium USB to RS232 Converter Cable - 1m w/LED	23.50
895-US232R-100-BST	US232R-100-BST	S	Premium USB to RS232, Embedded Converter - 1m w/LEDs	25.00
895-US232R-500-BLK	US232R-500-BULK	S	Premium USB to RS232 Converter Cable - 5m w/LEDs	35.00
895-UT232R-200-BLK	UT232R-200-BULK	T	USB to RS232 Converter Cable - 2m w/Thumb Screws	30.00
895-UT232R-500-BLK	UT232R-500-BULK	T	USB to RS232 Converter Cable - 5m w/Thumb Screws	36.50
895-USB-NMC-2.5M	USB NMC-2.5m	U	USB UART to USB UART Null Modem Cable 2.5m	35.00
895-USB-KEY	USB-KEY	V	USB Security Key Device	14.99

