

# FT4232H FTDI 480Mbps 4-Channel UART/MPSSE USB Interface Module Datasheet



**Brand:** FTDI

**SKU:** [1003505274558](#)

**Category:** Test & Calibration Instruments

**Price:** **\$64.29**

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Product Page:

<https://www.equipspares.com/product/ft4232h-ftdi-480mbps-4-channel-uart-mpsse-usb-interface-module>

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## Product Description

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FTDI FT4232H MINI MODULE is a 30 mm x 51 mm USB 2.0 Hi-Speed evaluation platform featuring the FT4232H quad-channel bridge controller. It operates at 480 Mbps and provides four independent UART, SPI, I2C, or JTAG interfaces via two Multi-Protocol Synchronous Serial Engines (MPSSE). The hardware integrates a 1.8 V LDO regulator, 12 MHz crystal oscillator, and an EEPROM for custom descriptors, utilizing two 26-pin dual-row headers for direct PCB integration or breadboard prototyping.

FT4232H MINI MODULE Specifications

Model: FT4232H MINI MODULE

Brand: FTDI Chip

USB Interface: USB 2.0 Hi-Speed

Data Rate: 480 Mbps

Controller IC: FT4232H

Channels: 4 Independent Ports

I/O Voltage: 3.3 V

Core Voltage: 1.8 V

Supply Voltage: 5.0 V

Interface Types: UART, MPSSE (JTAG, SPI, I2C)

Connector: USB Mini-B

Header Pins: 2 x 26-pin Dual-Row

Dimensions: 30 mm x 51 mm

Operating Temperature: -40 to +85 °C

EEPROM: 93LC46/56/66 compatible

Clock: 12 MHz Crystal

Current Consumption: 70 mA

Compliance: RoHS, CE, FCC

FT4232H MINI MODULE Applications

Primary applications include integration into automated test equipment (ATE), JTAG debuggers for FPGA/CPLD programming, and industrial sensor data acquisition systems. Deployed within telecommunications infrastructure for remote management and embedded system development kits requiring high-speed multi-port serial communication.

## Supplemental Images

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