

XDS220 ISO USB/Ethernet JTAG Emulator



Documentation

Installation Guide
Drivers and Support

Application

Debug Hardware
Debug Software
Flash Programming

Warranty: 90 days from date of purchase



Part #: 702332

XDS220 ISO USB/Ethernet JTAG Emulator

Hardware Features

- Supports Texas Instruments Digital Signal Processors and Microcontrollers with JTAG / CJTAG interface:
 - C64x+ ARM
 - C28x+ OMAP3/4/5
 - C5000 OMAPL13x
 - C66x+ AM18xx
 - DaVinci AM33xx
- Provides isolation between target board and emulator/host.
- Advanced emulation controller provides high performance.
- Supports Embedded Trace (ETB) on selected TI Devices.
- Ethernet Interface.
- USB 2.0 communications to

Software Features

- Compatible with Code Composer Studio IDE™ Version 5.2 and later from Texas Instruments
- Compatible with Texas Instruments DSP BIOS
- Supports UniFlashtm programming utility for Code Composer Studio
- Supports CCS DSS Java Scripting
- Compatible with Windows XP, Vista, Win7, and Linux Operating Systems
- Emulation drivers included with CCS software installation.

What's Included

- XDS220 ISO USB JTAG Emulator with 20pin CTI JTAG cable.
- Ethernet Cable
- USB Cable
- +5V to USB power adapter
- 20pin CTI JTAG to TI 14pin JTAG adapter.
- 20pin CTI JTAG to ARM20 pin JTAG adapter.
- 20pin CTI JTAG to ARM10 pin JTAG adapter.
- Quick Start Guide

You May Need

- Code Composer Studio™
- DSP Target Board (EVM, eZdsp™, DSK)

host PC.

- Supports +1.2V to +4.1V JTAG interfaces.
- 2 Status LEDs
- USB Bus Powered. No external power supply required.
- RoHS Compliant
- Enclosure Size:
3.6"(91.44mm) x
2.61"(66.29mm) x
1.0"(25.4mm)

The XDS220 ISO uses the ISO7240M for isolation with the following specifications:

- 150-Mbps Signal Rate Options
- Low Channel-to-Channel Output Skew: 1 ns Max
- Low Pulse-Width distortion (PWD); 2 ns Max
- Low Jitter content; 1 ns. Typ at 150 Mbps
- Typical 25 Year Life at Rated Working Voltage (see application note SLLA197)
- 4000-VpeakVIOTM, 560-VpeakVIORM per IEC 60647-5-2 (VDE 0884, Rev 2)
- UL 1577, IEC 61010-1, IEC 60950-1 and CSA approved
- 4 kV ESD protection
- Operates with 3.3-V supply
- High Electromagnetic Immunity
- -40c to +125C operating range