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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## ***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 UniFlash™ 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