

# Ashling's Opella-XDS560 *Ultra-high-speed Debug Probe for Texas Instrument DSP Platforms*

## Overview

Ashling's **Opella-XDS560** is an ultra-high-speed Debug Probe for embedded development on Texas Instrument (TI) DSP platforms. Opella-XDS560 is designed to work with TI's Code Composer Studio (CCS) IDE and seamlessly plugs into the CCS environment thus allowing you to conveniently and quickly debug your application code actually running on your target system. Opella-XDS560 provides full support for all CCS hardware debug features including program download, breakpoints, memory and register access and source-level program control (go, halt, step).

## Features

Features of Opella-XDS560 include:

- Fast, easy-to-install USB 2.0 High-Speed Interface (480Mb/s)
- Support for all TI devices including OMAP™, DaVinci™, TMS320C6000™, TMS320C5000™, TMS320C2000™ and TMS470™ families
- Wide target voltage range: 0.5V to 5.0V. Opella-XDS560 detects and automatically configures for the appropriate target voltage
- Target JTAG clock rates from 500 kHz to 50MHz with full support for adaptive clocking (RTCK) of debug data from target
- High-speed Real-Time Data eXchange (RTDX) support (allows rapid data transfer between host and target non-intrusively in real-time). RTDX data rates of over 2MB/s are supported
- Real-time, non-intrusive breakpoints and event triggering
- Code download speeds at over 500KB/s (using high-speed USB2.0)
- 14-pin and 20-pin (compact TI) JTAG target connectors supported
- Front-panel LEDs show Power, USB and Target status
- Full support for TI's DBGJTAG low-level JTAG test utility (supplied with CCS)



## System Requirements

- PC running Windows™XP or Vista
- TI Code Composer Studio v3.3, v4.0 or later
- High-speed USB2.0 port (full-speed USB1.1 also supported, however, high-speed USB2.0 strongly recommended to obtain maximum Opella-XDS560 performance)

## Order Codes

Products	Order Code
Opella-XDS560. Includes USB 2.0 cable, 14-way and 20-way JTAG interfaces, power-supply, getting-started guide and CD with user manual and CCS software drivers	Opella-XDS560

DS325-Opella-XDS560 v1.5

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