

Documentation

Technical Reference
Quick Start Guide

Application

-Machine Vision Apps
-Test and Measurement
-Tracking and Control Applications

Warranty

1 year

A complete
DM816x/C6A816x/AM389x
Evaluation Module Kit is also sold
by Texas Instruments. Details may
be found the following link:

[DM8168 EVM](#)

Part #: 702391

DM816x/C6A816x/AM389x Standalone EVM Baseboard



DM816x/C6A816x/AM389x Standalone EVM Baseboard

Hardware Features

- Texas Instruments DM8168/C6A816x/AM389x with C674x floating point DSP and ARM Cortex A8 processor operating up to 1GHz each.
- 1 GByte DDR3 RAM.
- 32 Megabit SPI Flash
- 2 GByte NAND Flash
- Composite Video out
- Component Video out
- Dual Host USB Interfaces
- Video/GPMC/MCASP/Serial Expansion Interfaces
- On-Chip HDMI Interface

Software Features

- Compatible with Code Composer Studio Platinum™ v4.2 and later from Texas Instruments.
- Compatible with Windows XP, Vista, Win7, and Linux Operating Systems
- Compatible with Spectrum Digital JTAG Emulators.

Software Included

- Code Sourcery G++
- Board test / Sample Code
- Open source Linux Board Support Package (BSP)

What's Included

- DM816x/C6A816x/ AM389x Standalone EVM Baseboard. (*Expansion I/O Daughter Card not included*)
- +12V Power Supply and Line Cord and Universal A/C adapter
- USB Mouse
- 8 GByte SD Card with software, Hardware user guide, and Software user guide.
- SD Card Reader (USB 2.0)
- USB Male to USB Female cable
- RS-232 Cable

10/100/1000 Ethernet Interface

- SD Media Card interface
- TLV320AIC3106 Stereo Codec (Line In/Out, Mic in, Headphone out)
- 2 SATA drive interfaces
- PCIe connector with 2 lanes
- RS-232 Interface
- Infrared receiver
- On-Chip real time clock
- Configurable Boot Load options
- 4 user LEDs / 4 position user DIP Switch
- Single Voltage Power Supply (+12V)
- 20 Pin CTI JTAG Interface
- On board power monitoring
- RoHS Compliant

- HDMI Cable
- Ethernet Cable
- Quick Start Guide

Do You Need ?

- [XDS560v2 STM Emulator. 702592](#)
- [Spectrum Digital XDS560v2 Traveler STM JTAG Emulator. Part# 702598](#)
- [Code Composer Studio™ Platinum v5](#)