

Documentation

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**DM642 (720 Mhz, TVP Video Decoders)
 Evaluation Module + Power Supply +
 XDS510 USB Emulator + Code Composer
 Studio for C6xxx**

Applications

Personal Video Recorder
 Video security
 Broadcast video
 Video compression

Replaces 702010, 702011

Warranty: 1 year from date of purchase on EVM Card, power supply, and emulator. For Code Composer Studio refer to TI website.

Part #: 702012



DM642 (720 Mhz, TVP Video Decoders) Evaluation Module + Power Supply + XDS510 USB Emulator + Code Composer Studio for C6xxx

System Features	Software Features	What's Included
<ul style="list-style-type: none"> Provides a complete development system for the TMS320DM642 Digital Signal Processor from Texas Instruments 	<ul style="list-style-type: none"> Code Composer Studio for C6xxx which includes 'C' Compiler, Assembler, Linker, Debugger, and DSP BIOS from Texas Instruments Compatible with all JTAG emulators from Spectrum Digital and TI Compatible with VANDEK Video Development Software from ProdyS 	<ul style="list-style-type: none"> DM642 (720 Mhz) EVM board 5V power supply CD-ROM with demo code, manual and schematics Parts kit for HD operation Feet for standalone operation XDS510 USB JTAG emulator USB Cable for XDS510 USB CD-ROM with Code Composer Studio for C6xxx from Texas Instruments
<p>Hardware Features</p>		
<ul style="list-style-type: none"> 720 MHz. TMS320DM642 Digital Media Processor TI TVP Video Decoders 32Mb SDRAM 4 Mb linear Flash 2 video decoders 1 video encoder 		

- On-Screen Display FPGA implementation
- Dual RS-232 UARTs and line drivers
- TLV320AIC23 Stereo Codec with line, microphone, and headphone interfaces
- 10/100 Ethernet PHY
- 32Kb I2C EEPROM
- 8 programmable LEDs
- 2 S-VHS/composite video inputs
- S-VHS/composite/VGA video outputs

Do You Need ?

- JTAG Expander
- VANDEK Video Development Software from Prodys

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Kane Computing Ltd
7 Theatre Court, London Road,
Northwich, Cheshire, CW9 5HB, UK.
Tel: +44(0)1606 351006
Fax: +44(0)1606 351007/8
Email: sales@kanecomputing.com
Web: www.kanecomputing.co.uk