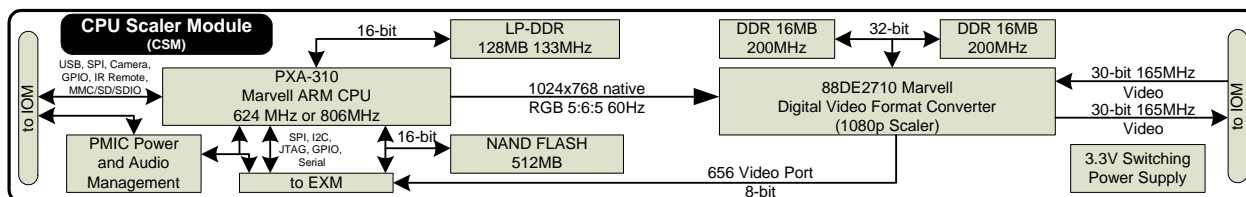




The Calliope CPU Scaler Module (CSM) is a highly integrated application and video processor in credit card size format. A power-efficient Marvell ARM CPU provides compute horsepower for applications, hardware video acceleration and DRM security. The companion Marvell dual-channel, video format conversion processor converts graphics and video input from the Marvell CPU into any standard output format up to 1080p HD. The second 1080p full 10-bit video input is available as a general purpose video source for powerful format conversion, overlay, picture-in-picture and scaling. CSM is ideal for displaying Internet content on a Computer or Home Theater display or for use as an intelligent high-quality video format conversion engine.



CPU Scaler Module



I/O Module (IOM)
Companion Module



Expansion Module (EXM)
Companion Module

Highlights:

- Credit Card Size Module
(0.31H x 3.4W x 2.2D in including top and bottom board-to-board connectors)
- Significant Power Savings vs. Traditional PCs
(under 5W typical with IOM)
- Available Linux Port with Sample Applications
(Linux, Qtopia, Browser, Media Player, Networking)
- CPU: Marvell PXA-310 ARM
(624MHz or 806MHz, 128MB 133MHz Mobile DDR, 512MB NAND FLASH)
- Supports Micron LP-DDR, DDR, and NAND Flash
(PNs: MT46H64M16LFCK-6, MT46V16M16BG-5B, MT29F4G16ABCHC)
- Video: Marvell 88DE2710 1080p Digital Video Format Converter
(165MHz, 32MB of dedicated 200MHz DDR)
- Built-in I/O Connectors for connection to optional I/O Modules (IOM):
Supports USB, Camera, SDIO, 2x 30 bit Video Ports
(high-density, high-speed low-profile board-to-board connectors)
- Built-in Expansion Connector for connection to optional Expansion Module (EXM):
Supports Data Flash Interface general purpose memory bus, JTAG, SPI, I2C, GPIO, Serial
(high-density, high-speed low-profile board-to-board connectors)
- Built-in Touchscreen Controller Interface
(low-profile connector)