



Flash content has long been a cool (and sometimes annoying) add-on to Web browsing. But that changed when Adobe announced the Open Screen Project, with far-reaching support for embedded flash. No longer simply a browser plug-in, flash is the user interface and main desktop environment in many embedded systems, and developers are scrambling to build devices that support its “write once, use everywhere” flexibility.

In addition to a 1080p video processor, a tiny form factor perfect for handhelds, and Wi-Fi/Bluetooth with ultra-low power characteristics, Calliope delivers excellent flash performance under open source Linux. The flash player runs as a plug-in to embedded Web browsers, directly under the Qtopia desktop, or completely stand-alone.

Our customers use Calliope’s processor and I/O modules combined with the developer expansion module and debugger environment to professionally demo touch screens, set-top boxes, digital picture frames, and digital signage – all customized in just days.

– LocoLabs

Pint-sized powerhouse

Designing a dynamic digital signage system or a Point-Of-Service (POS) kiosk? The Green Calliope Engine from LocoLabs is based on a Marvell PXA310 application processor coupled with a Marvell 88DE2710 1080p HD video processor and the Marvell 88W8688 Wi-Fi/Bluetooth combo chip. Other I/O includes USB, audio, a 2 megapixel camera, and an IR receiver.

The pint-sized system (1.3" H x 4.2" W x 2.4" D) runs Linux, Trolltech’s Qtopia application framework, a Web browser and flash player, and networking stacks. The basic package docks to an expansion module for debugging or adding custom logic to complete the final design.

Model: Green Calliope Engine

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