

Reference platform targets PXA270-based handheld designs



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At the Intel Developer Forum in Taipei this week, Intrinsic announced support for Intel's [newly unveiled](#) PXA270 XScale processor and 2700G multimedia accelerator silicon duo. Additionally, Intel and Intrinsic jointly showcased a new PDA-style development platform, known as the Intel 2700G multimedia accelerator reference system.

Intrinsic says it created the platform (formerly codenamed "Carbonado") over the past 12 months, and that it targets developers of next generation wireless PDAs. The reference platform comes with "out of the box" support for Microsoft's Pocket PC 2003 and Windows CE .NET embedded operating systems, and support for other OSes is "on the roadmap," according to Intrinsic.

Here is a summary of the reference platform's key features and specs:

- Processor -- Intel PXA270 ("Bulverde") XScale processor
- Graphics -- Intel 2700G ("Marathon") multimedia accelerator with 16/32MB of graphics memory and integrated dual display support
- Memory -- 128MB Mobile SDRAM, along with 64MB Intel Wireless StrataFlash.
- Power -- on-board 3.6V lithium-ion batteries, external A/C adaptor
- Display -- High-contrast, 4-inch diagonal, 64K color, VGA (640 x 480 pixels) TFT LCD with CCFL backlighting and resistive touch screen; supports landscape and portrait modes
- Data connectivity -- USB OTG, 10BaseT Ethernet and RS232 serial debug support, Bluetooth, IrDA
- Audio -- stereo headphone/headset jack, speaker, mono microphone, voice recorder, earpiece
- Expansion slots -- CompactFlash, MultiMedia Card (MMC), and Secure Digital (SD) optionally supported
- Size -- 5.9 x 3.3 x 1.0 in. (148.7 x 82.8 x 25.7 mm)
- Navigation -- Four application launcher hot keys, thumb wheel and five-way navigation pad; soft onscreen keyboard
- Telephony -- optional support for Tri-band GSM/GPRS modem with external antenna
- VGA out -- Connect to a VGA Monitor or Projector



Intrinsic's Carbonado reference platform