

Development Solutions for PXA320

Direct Insight is a leading European provider of solutions and services for users of Marvell's PXA270 and PXA320 series processors. Our products and services include complete Development Kits (DVKs), Reference Platforms, Modules, JTAG probes, emulators and development systems, as well as custom board and baseboard development and OS porting.

We provide complete support for Linux, Windows CE and OS-less implementations, and as well as providing a wide range of leading 3rd party products we are an official reseller of the XScale Software Tools which enhance the performance of these processors.

Below are some examples of PXA320 products which we supply and support. Please don't hesitate to contact us if we can help in any way, by phone at **+44 1295 768800**, or email at **info@directinsight.co.uk**



TRITON-320 modules and StarterKit 4 DVK

- Complete solution for Windows CE 6.0 or Linux 2.6
- Consists of baseboard and DIMM200 module
- Module includes prog. power and low-power Flash / DDR SDRAM
- Module is used with custom baseboard as a low-volume production solution - baseboard design service available
- DVK includes VGA touch-screen monitor

Software Tools for XScale

Dedicated tools offer significant performance gains by leveraging instruction set extensions such as Wireless MMX2 which underpin PXA320's combination of low-power and high performance:

- C++ Compiler for Windows CE
- C++ Compiler for Linux
- Integrated Performance Primitives
- Intel VTune Performance Analyzer



Sophia Sandgate III Reference Platforms

- PXA320 @806MHz, 128MB SDRAM / 64MB NAND Flash
- CF, IrDA, USB, RS232C, MMC/SD/SDIO/ sockets
- Touch Screen TFT VGA
- 10/100 Ethernet, RTC, AC97
- Windows CE 5.0 / CE 6.0 BSPs **full BSP source included**
- Linux 2.6 BSPs available
- **Schematics supplied**
- 802.11 a/b/g WLAN chipset on-board
- "P" version for PXA310 available Q2 '07
- Includes EJ-Writer USB Flash programming tool

JTAG interfaces and emulators

We offer various JTAG probes and in-circuit emulators for PXA270 and PXA320, with interfaces to GDB, Platform Builder and XDB.

