Accelerating Embedded Development

Create small, smart, connected devices faster with the Topaz i.MX25 CPU module.

Reduce Development Time and Cost

**Focus on your product, and not on complex processor design**

When you start a design using Topaz, you eliminate a big piece of complex and risky design work. There is no memory interfacing or power supply design work to be done. You can also forget about having to lay out multi-layer boards with several BGA chips; that work is done too and it's all packaged into a module that is easy to integrate into your final design.

**Start writing your application, and not porting an Operating System**

Don’t spend time writing low-level C and assembly code, or spending hours bringing up your prototypes. Topaz runs Windows CE 6.0 and Linux. Choose the OS you need, the tools you know, and get to work on the features your customers are looking for.

**Get started on real hardware**

The Topaz Development Kit provides a platform for evaluation and prototyping of new designs. Common features are available on the board and expansion connectors make it easy to add application specific components.

The Right Features for Your Product

**High level of integration**

Topaz integrates features required by the automotive, industrial and general embedded market. By including memory, power management and 10/100 Ethernet, the system’s bill of materials costs are reduced.

**Low-power design**

The i.MX25, Freescale power management technology and Mobile DDR memory make the Topaz the ideal choice for portable and power sensitive applications.

Ready for Production

**Choice of form-factors**

Choose the SO-DIMM plug-in form factor for quick-and-easy prototyping and production, or the surface-mount Topaz for rugged applications.

**Flexible licensing options**

Keep your final product price low with flexible, royalty-free licensing options.

**The right mix of parts for your design**

Topaz supports the range of i.MX25 processors, different RAM & flash sizes and temperature ratings, so you can choose the right mix of features at the best price for your design.
Topaz i.MX25 Development Kit

The Topaz i.MX25 Development Kit is an ideal platform for prototyping new devices.

Kit Includes:
- Development board
- USB Cable (power and communications)
- Ethernet Cable
- Serial Cable
- Getting Started Guide and software available for download from www.devicesolutions.net/Topaz.aspx

LCD Options
The LCD expansion header makes it easy to choose the display type and size you need, and test new displays.

Options include:
- 7” WVGA (800x480) with touch screen
- 4.3” WQVGA (480x272) with touch screen

Design Support
- Full hardware and software design support available