

Flexible Input Deterministic Output (fido) Microcontroller



fido I100™ Evaluation Development Kit (fido I100EDK)

Clock Speed

- 66MHz

I/O Ports

- 2 Ethernet PHY's (RJ-45 connectors)
 - 4 LEDs per Ethernet Port
- 2 DB9 connectors for UART/Serial/GPIO Communications
- 1 CAN Physical Interface
- 1 HDLC Physical Interface
- 1 SMBus Physical Interface
- 1 USB debug/programming port
- 1 Parallel debug/programming port
- 1 GPIO Header (8-pin)

User Configurable Controls and Indicators

- 8 user LEDs
- 8 user dip switches
- Power indicator LED
- RESET Push Button and LED
- INTERRUPT Push Button (INT0)
- Universal I/O Controller Jumpers for Enable/Disable
- Hardware/Software Interrupt Selection Jumper
- 4 Switches for Routing Universal I/O Controllers to Physical Interfaces
- 6 Switches for Configuring the two Ethernet Ports
 - 10/100 Mbps
 - Full/Half Duplex operation

Tools

- Windows Installer
- Includes Sourcery G++™ from CodeSourcery
- Eclipse Integrated Developer's Environment with custom G++ plug-in
- Run-Time Libraries for:
 - fido I100 Communication Interfaces
 - Universal I/O Controller Configuration
- GDB Debugger
- Assembler for the fido I100 Instruction Set (CPU32 compatible)

Memory

- 1 MB of SRAM
- 8 MB of SDRAM
- 8 MB of FLASH

Power Supply - 9V DC

User Prototype Area

Kit Contents

- Development Board
- Ethernet Cable
- Serial Cable with Gender Adaptor
- USB Cable
- HDLC Loopback and SMBus Loopback Cables
- 2 CDs - Software, Tools, Documentation, Schematics
- Quick Start Guide

