

XTEND-S3 Development Kit



XTEND

XA
Trainer &
Expandable
Narrative
Design

The *XTEND*, XA Trainer and Expandable Narrative Design, is designed to provide the user with a stable hardware and software platform for application development with the XA-S3. In many cases the *XTEND* may serve as a quick prototype for the actual user application. With the on-board prototype area or optional expansion boards, the user can quickly and easily get a new customized design running with the XA-S3.

Highlights

- Quick Start kit for any XA-S3 Design
- Why “re-invent” when you can just “re-use”
- Less than 20 minutes to
 - ◆ Load the software
 - ◆ Setup the board
 - ◆ Start designing
- Kit includes everything you need
 - ◆ XA-S3 Board
 - ◆ Software
 - ◆ Documentation
 - ◆ Schematics
 - ◆ Power Supply
 - ◆ Serial Cable

Specifications

- Philips XA-S3 Microcontroller Socket for 68-pin PLCC supporting both internal and external code execution
- 128KB Standard FLASH ROM Code Space, expandable to 256KB (dual sockets for 16-bit access)
- Code Space supports EPROM, FLASH(5V), NVSRAM, or SRAM
- 64KB Standard High-Speed Data Space SRAM, expandable to 256KB (dual sockets for 16-bit access)
- Two DB-9 RS232 Serial Communications Ports & RS232 Cable and DB25 Adapter Included
- 60-pin Expansion Header for Full Expansion Capability (16MB memory and I/O supported)
- 9 VDC Input with on-board 5V regulator, UL Approved Power Supply included
- Users manual and schematics included
- A/D Converter support includes on-board 3V analog supply, precision reference, 10K POT, and thermister
- PCA Support includes access to the speaker, LED, and dedicated 4-pin header
- Two user input pushbuttons
- Interface for character type LCD modules with 16 character LCD included
- On-board speaker for tone generation
- 5.25" x 7.25" 4-layer PCB with Full Silkscreen
- 2.5" x 1" wire-wrap area on-board
- Optional I2C Interface/Monitor
- Example Routines for Applications
 - ◆ XA-S3 Initialization Routines
 - ◆ Serial Port Drivers
 - ◆ Timer/Counter Drivers
 - ◆ Watchdog Timer Setup
 - ◆ PCA & ADC Drivers
 - ◆ Interrupt Routines
- External XA-S3 XMON Monitor Supporting
 - ◆ Serial Host Communication
 - ◆ Register Dump/Modify
 - ◆ External Data memory Dump/Modify
 - ◆ External Code Memory Load (from RS232)
 - ◆ Code disassembly
 - ◆ Execute Code with up to 4 breakpoints
 - ◆ Single-step through User Code
- Tasking XA Toolchain Demo for Windows
 - ◆ Tasking Embedded Development Environment
 - ◆ XA C-Compiler Demo
 - ◆ Crossview Debugger Demo with ROM Monitor pre-programmed into XA-S3
- CMX RTOS Information Package
- Philips XA Assembler, Simulator and 8051 to XA Translator

Ordering Information

Part Number: XTEND-S3
Price: \$249.00 (USD) complete
Warranty: 30-day money back guarantee
Availability: Stock
Philips 12NC: 9352 618 00112

(256) 830-4116 Information
(800) 278-0293 Sales
(256) 830-9421 FAX
e-mail sales@teamfdi.com
www.teamfdi.com

Future Designs, Inc.
P.O. Box 7362
Huntsville, AL 35807

