

XTEND-C3 (CAN) 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-C3. 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-C3.

Highlights

- Quick Start kit for any XA-C3 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-C3 Board
 - ◆ Software
 - ◆ Documentation
 - ◆ Schematics
 - ◆ Power Supply
 - ◆ Serial Cable

Specifications

- The XTEND-C3 provides a CAN compliant DB-9 interface with a standard CiA pinout
- CAN node is opto-isolated and powered
- Philips XA-C3 Microcontroller Socket for 44-pin PLCC supporting both internal and external code execution
- 128KB Standard FLASH ROM Code Space, expandable to 256KB (support for 8-bit or 16-bit access)
- Code Space supports EPROM, FLASH (5V), or NVSRAM
- 64KB Standard High-Speed Data Space SRAM, expandable to 256KB (support for 8-bit or 16-bit access)
- One DB-9 RS232 Serial Communications Port with RS232 Cable and DB25 Adapter Included
- 60-pin Expansion Header for Full Expansion Capability (1MB memory and I/O supported)
- 9 VDC Input with on-board 5V regulator, UL Approved Power Supply included
- Users manual and schematics included
- 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 & on-board wire-wrap area
- Optional SPI-based, 8 channel, 12-bit Analog to Digital Converter
- Optional SPI-based EEPROM socket for 93C46 style serial EEPROMs
- Example Routines for Applications
 - ◆ XA-C3 Initialization Routines
 - ◆ Serial Port Drivers
 - ◆ Timer/Counter Drivers and WDT setup
 - ◆ Interrupt Routines
- External Crossview Pro (XVW) ROM Monitor and Debugger Supporting
 - ◆ Serial Host Communication
 - ◆ Register Dump/Modify
 - ◆ External Data memory Dump/Modify
 - ◆ External Code Memory Load (from RS232)
 - ◆ Code disassembly
 - ◆ C source, assembly or mixed code view
 - ◆ Execute Code with 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
- CMX RTOS Information Package
- Philips XA Assembler, Simulator and 8051 to XA Translator

Ordering Information

Part Number: XTEND-C3
Price: \$299.00 (USD) plus shipping
Warranty: 30-day money back guarantee
Availability: Stock
Philips 12NC: TBD

(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

