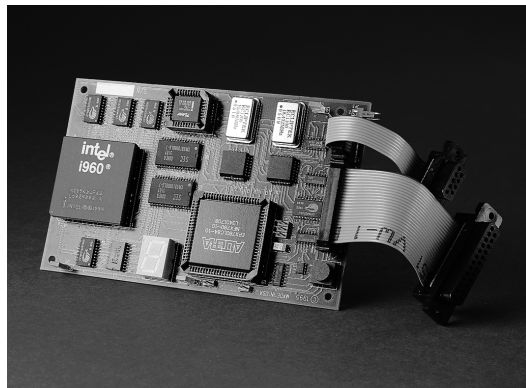


ApLink Debug Tool

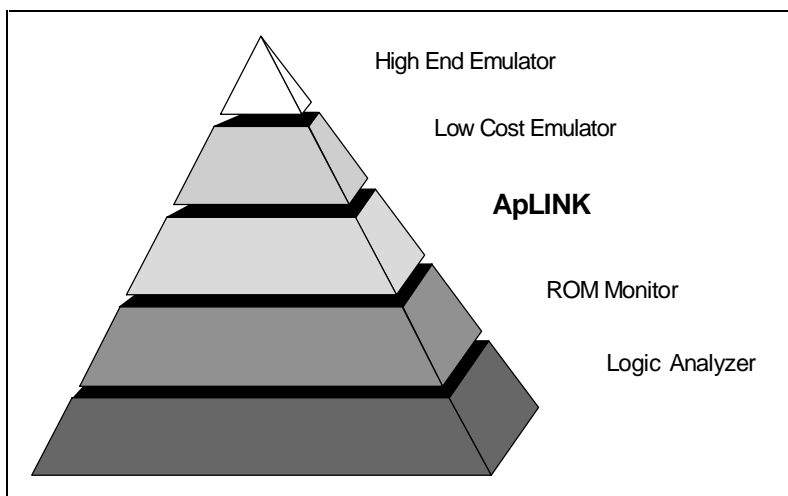
PRODUCT OVERVIEW



ApLink is a software and hardware debug probe for Intel's family of i960[®] embedded processors. ApLink uses a small PC board that plugs into an application board's CPU socket. The goal behind ApLink is to make i960 processor software development as simple as self-hosted development on a PC or workstation. ApLink accomplishes this by providing the MON960 debug monitor and all associated hardware. Consequently, the user is not required to port software or design specialized hardware into the target system to use the monitor. ApLink allows debugging of even deeply embedded targets, including those that have no communications resources at all. Even for targets that aren't deeply embedded, ApLink enhances time to market, since no target-specific debugger porting is required.

KEY FEATURES

- Low cost, especially when compared to an in-circuit emulator
- No monitor porting required, MON960 optimizes time to market
- Parallel download port (Centronics compatible) for fast code download
- RS-232 serial port for communications
- Performance measurement capabilities provided by ApLink timers; no target timers required
- ROM emulation memory (128 Kbyte) to support start-up code debugging. No need to burn multiple EPROMS.
- Enables final product debugging without incurring the typical code size costs of including a ROM monitor in the production version of the firmware. Field and manufacturing personnel can use ApLink for debugging without increased cost
- Can be used for hardware debugging when target address and data bus, clock, reset, and power supply are functional
- Two timer/counters, one 16 bit and one 32 bit
- Monitor SRAM for data and stack: 128 Kbyte
- Software control of ApLink via control/status registers



ORDERING INFORMATION

- APLINKJX ApLink Debug Tool for the i960 Jx Processor Family
- APLINKHX ApLink Debug Tool for the i960 Hx Processor Family
- APLINKCX ApLink Debug Tool for the i960 Cx Processor Family
- APLINKSX ApLink Debug Tool for the i960 Sx Processor Family

Intel Development Tools offers a 30-day, money-back guarantee to customers who are not satisfied after purchasing any Intel development tool.

For more product information or literature call 1 (800) 628-8686 (U.S. and Canada).
 World Wide: Call + 1 (503) 264-7354, 7-5:00, Mon-Wed & Fri; 7-3:00, Thur. All U.S. Pacific time.

| Intel Reference Numbers | |
|---|---|
| World Wide Web Address: | http://www.intel.com |
| FaxBack System: | 1 (800) 525-3019 or (503) 264-6835 |
| Application Bulletin Board System: | 1 (503) 264-7999 |
| Intel Literature Center: | 1 (800) 548-4725 7 a.m. to 7 p.m. CST |
| Retail PC and Network Products: | 1 (800) 538-3373 or (503) 629-7000 7 a.m. to 7 p.m. PST |
| General Information Hotline: | 1 (800) 628-8686 & (916) 356-3104 5 a.m. to 5 p.m. PST |

Intel Corporation assumes no responsibility for the use of any circuitry other than circuitry embodied in an Intel product. No other circuit patent licenses are implied. Information contained herein supercedes previously published specifications on these devices from Intel. * Other brands and names are the property of their respective owners. ©Intel Corporation 1996

| | | | | | | |
|--|--|--|--|---|--|--|
| UNITED STATES Intel Corporation 2200 Mission College Blvd. Santa Clara, CA 95052-8119 | JAPAN Intel Japan, K.K. 5-6 Tokodai, Tsukuba-shi Ibaraki-ken, 300-26 | FRANCE Intel Corporation S.A.R.L. 1, Quai De Grenelle, BP543 75725 Paris Cedex | UNITED KINGDOM Intel Corporation (U.K.) Ltd. Pipers Way Swindon SN3 1RJ Wiltshire, England | GERMANY Intel GmbH Dornacher Strasse 1 D-85622 Felkirchen Muenchen | HONG KONG Intel Semiconductor Ltd. 32/F Two Pacific Place 88 Queensway, Central | CANADA Intel Semiconductor of Canada, Ltd. 190 Attwell Drive, Suite 500 Rexdale, Ontario M9W 6H8 |
|--|--|--|--|---|--|--|