Unleash Your 386, 486 & i860!

NDP Fortran is the key to unlocking the numeric power of Intel's 32 bit CPUs, including the i860 super-computer-on-a-chip. All of the members of our NDP family of compilers generate highly optimized, mainframe quality code that runs on the 386/486 up to a full 32 bit protected mode under UNIX, XENIX, or extended DOS. The compiler addresses 4 gigabytes of memory while supporting the 80287, 80387, Weitek, and Cyrix coprocessors. Applications can mix code from all three compilers and assembly languages to simplify your ports.

The Number Smasher-i860™ is the highest performance coprocessor card to ever run in an ISA or EISA bus, and also runs on IBM AT and PS/2 compatible systems. Delivers up to 80 MIPs full floating point operations per second at 40 MHz, and produces over 10 double precision Linpack megaflops. The board consists of 4 IBM ISA interface cards, two transputer link adapters, your choice of NDP Fortran, C or Pascal for the i860 running under MS-DOS or UNIX, plus 8 megabytes of high speed memory.

Our compilers come with the features you need to simplify porting to the 32-bit mode of the i860, including a 99% VAX VMS compatible FORTRAN and Pascal which is also UNIX System V and ANSI compatible. Also included is a library of 135 character and pixel oriented graphics routines that automatically detect and support the full range of PC display adapters. Plus we carry a full line of third party libraries and utilities that were ported with our languages. For information about numeric coprocessor performance, call for your free copy of an article by Stephen Fried, "The State of PC Numerics in 1990." For more information, please call our Technical Support Dept. at (508) 746-7341.

Math Coprocessors

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<tr>
<th>WEITEK</th>
<th>mW1167 Micro Channel-16/20 ...</th>
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<td>mW1167 Micro Channel-25/33 ...</td>
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|        | mW1167 Micro Channel-20/25 ... | $795 /
|        | mW3167/80387 Board ...         | $200 |
|        | mW1167™ and mW3167™ coprocessor|     |
|        | board ... Weitek using a ...   |     |

Cyrax

Cyrax Cyx383D7 FastMath™ — Fastest 80-bit Intel compatible coprocessor board. Runs at 20 MHz. $400 25 MHz $510 33 MHz $625

RAMpak™ Your Compat!

- one or four meg 32-bit memory expansion module for Compaq Desktops 386 20/25 One meg ... $150 Four meg ... $500 SIMMs

386 Your AT!

NUMBER SMASHER-386™ — A full-sized card that replaces the 80286 microprocessor on your IBM AT or compatible motherboard with an 80386 that runs at 20 or 25 MHz. It runs numerically intensive applications up to a factor of 60 times faster, while maintaining full hardware and software compatibility when running all 386 applications. Includes sockets to option add up to 8 megabytes of 32-bit memory, an Intel 80387, Weitek, or Cyrix numeric coprocessor, and 64K of high speed cache memory.

FASTCache-SX™ — The most cost effective accelerator we have ever manufactured. Plug into the 286 socket, speeding up all applications by a factor of 2 to 4. Runs all 386 applications. Features an 80386SX (16 or 20 MHz), a 4-way 32K cache, expandable to 64K, and a coprocessor socket 16MHz: $495 20 MHz: $595

386 Your PC!

Number Smasher-486™ is a 25 MHz replacement motherboard for ATs and 80386s. This motherboard supports an optional Weitek 4167 numeric coprocessor and up to 16 megabytes of memory. The Number Smasher-486 with 0K is priced at $3195.

NumberSmasher-486™

The Number Smasher-486 is the highest performance coprocessor card to ever run in an ISA or EISA bus, and also runs on IBM AT and PS/2 compatible systems. Delivers up to 80 MIPs full floating point operations per second at 40 MHz, and produces over 10 double precision Linpack megaflops. The board consists of 4 IBM ISA interface cards, two transputer link adapters, your choice of NDP Fortran, C or Pascal for the i860 running under MS-DOS or UNIX, plus 8 megabytes of high speed memory.

Parallel Processing

MicroWay's IBM compatible Monoputer, Quadputer, Videoputer, and Linkputer boards work together using transputer links to provide expandable, plug-in mainframe performance for your desktop PC.

Monoputer™ — Includes one T800 and up to 16 meg of RAM for parallel code development. The 4 MHW transputer T800 makes it the ideal FORTRAN engine for cost-effective execution of your mainframe programs.

Quadputer™ — This board for the AT or 386 can be purchased with 1 to 4 transputers and 1 or 4 meg of memory per transputer. Two or more Quadputers can be linked together to build networks of up to 100 or more transputers, providing mainframe power.

Linkputer™ — Links up to 8 boards to provide dynamic transputer topologies.

Transputer Compilers and Utilities

These parallel languages are designed for use with the Monoputer, Quadputer, and Videoputer.

Logical Systems Parallel C ... $595
3L Parallel C, FORTRAN, or Pascal ... $495
Parasol Parallel C ... $1500
ParaSoft EXPRESS Package — Includes transputer communications libraries, parallel code development library, C source level debugger, and system performance monitor.

Helios PC/... $1250
ccomma 2 Toolset ... $1500
Nexstar Windows ... $1500

World Leader in PC Numerics

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