



RTE-A on a PC?

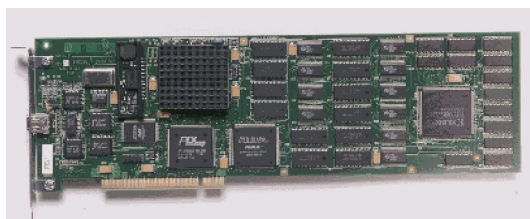
The Strobe Data Kestrel turns a PC into a true HP1000 mini-computer system

Strobe Data is proud to offer the Kestrel Co-Processor A-Series add-in circuit cards and supporting software which converts a PC into a complete HP1000 mini-computer system

Commodity priced PC devices emulate standard minicomputer peripherals at a fraction of their cost, with equal or better performance!!

No reprogramming required to run applications and operating systems for HP1000

True multi-processor, task sharing environment, with the PC host processor acting as an intelligent I/O controller for disk access/caching, terminal character handling/routing, etc.

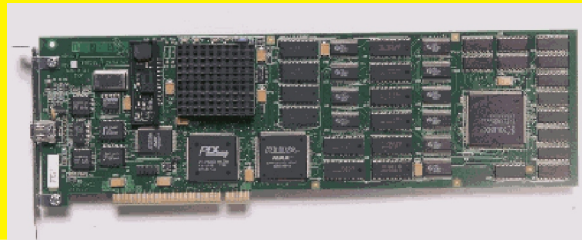


The Kestrel Co-Processor A-series is offered in three models: SX (Low cost), DX (Mid range performance), and QX (High performance).

Legacy and custom cards not emulated are supported through the LIC (Legacy Interface Card) in your chassis or in a new Kestrel Rack Mount Chassis. The LIC card is connected to the Kestrel Co-Processor via firewire cable.

Specifications

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|--------------------|----------------------------------|
| MTBF: | 210307 Hours |
| Safety: | CE |
| Electrical: | 1.77 amps @ 5 VDC 8.85 Watts |
| Interface: | Firewire (Legacy Interface Card) |
| EMI: | FCC-B, CE |



HARDWARE:

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|-----------------|---|
| CPU | HP 1000 A-Series emulated on the Strobe Data based bit-slice engine |
| Memory | Supports 4 MByte currently, with plans to expand to 32 Mbyte in the future |
| Instructions | All manufacturer's A-series instructions |
| Legacy I/O | Either via legacy bus (chassis) firewire adapter or a Strobe Data Inc. 10-slot rack-mount chassis |
| PC requirements | Windows NT/2000 compatible PC with 233 MHz Pentium or compatible minimum, 128 M/byte RAM and 1 available full-length 5volt PCI slot |
| Disk/Tape | All legacy disks and tapes supported via legacy bus. Strobe Data high performance virtual disk emulation available, with emulations planned for SCSI and HP-IB disks and tapes connected to approved Windows NT/2000 SCSI and HP-IB PCI cards |
| Communications | All legacy communication I/O supported via legacy bus. Emulation for ASIC currently available, future plans for MUX, OBIO and parallel |
| Caching | Future cache emulation planned using Windows NT/2000 memory resources |
| Networking | Future network emulation planned for NS/ARPA, NS/1000 and DS/1000 on approved PCI IEEE-802 cards. |
| File Transfer | Windows NT/2000 compatible hardware and software |

SOFTWARE:

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|--------------------------|--|
| VCP | Manufacturer's Virtual Control Panel (VCP) provided with extensions for HP 1000 disk emulation and boot |
| Host OS | Windows NT v4.0 (minimum), Windows 2000 |
| Virtual I/O | Drivers currently provided for ASIC and high performance virtual disk. Special drivers for container file disks for HP-IB and SCSI and virtual MUX and OBIO planned soon |
| Disk image | Windows NT/2000 files can emulate HP 1000 disk images allowing Windows-based utilities and hardware to provide backup, restore and archive |
| Re-coding and conversion | not required! |

PHYSICAL:

PCI bus card for Windows NT/2000 PC. 5 volts at 5 amps (max) power requirement with 0C to 70C operating range

PERFORMANCE:

A Kestrel/PC system can be easily and economically configured to match or exceed the performance of the HP 1000 A-Series models A400 , A600, A600+, A700, A900 and A990

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