



# RTE-A on a PC?

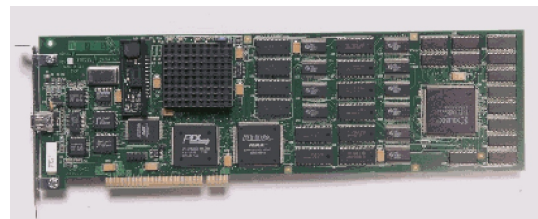
The Strobe Data Kestrel turns a PC into a true HP1000 mini-computer system

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.

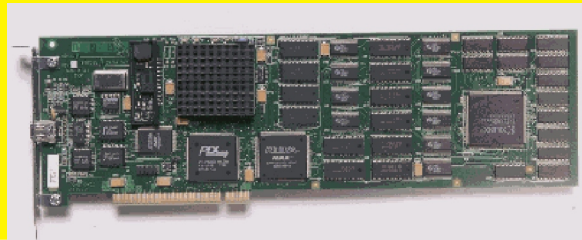


The Kestrel Co-Processor A- series is offered in three models: SX (Low cost), DX (Mid range performance), and QX (High performance).

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

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



### HARDWARE:

|                 |                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:

|                          |                                                                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

**Strobe Data Inc.**

14940 NE 95th Street Suite B Redmond, WA. 98052

Phone: (425) 861-4940 Fax: (425) 861-4295 [www.strobedata.com](http://www.strobedata.com)