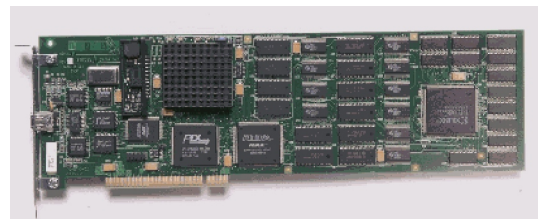# Strobe Data Inc.

RTE-6 on a PC?

The Strobe Data Kestrel turns a PC into a true HP 1000 mini-computer system

Strobe Data is proud to offer the Kestrel Co-Processor 21-MX/2100 Series add-in circuit cards and supporting software converting a PC into a complete HP 1000 mini-computer system!

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

No reprogramming is required to run applications and operating systems for HP 1000's! RTE-6, RTE-IVB or any HP 1000 operating system on the 21-MX, 2100A/S or 2114/15/16.
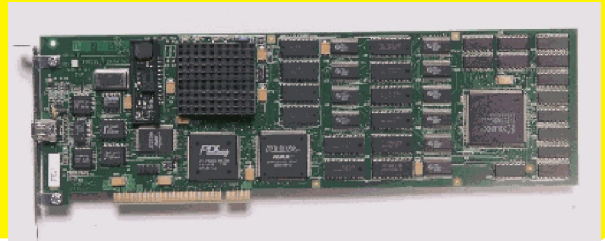
True multi-processor, task sharing environment, with the PC host processor acting as an intelligent I/O controller for disk access/caching, terminal character handling/routing, etc.!

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

Specifications

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

HARDWARE:

CPU   HP 1000 MEF-Series, 2100A/S and 2114-6 emulated on the Strobe Data based bit-slice engine

Memory   supports 32 kBytes to 2 Mbytes (1 Mword)

Instructions   All manufacturer MEF-series, 2100A/S and 2114-6 instructions.

Legacy I/O   Via firewire adapter to Strobe Data (38-slot I/O) Kestrel 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 for MAC disc. Emulations planned for 7900 discs and HPIB disks and tapes connected to approved Windows NT/2000 HP-IB and SCSI PCI cards

Communications   All legacy communication I/O supported via legacy bus. Emulation exists for virtual BACI. Emulations for Serial TTY and MUX planned soon

Caching   Future cache emulation planned using Windows NT/2000 memory resources

Networking   Future network emulation planned for DS/1000 on approved PCI IEEE-802 cards

SOFTWARE:

VCP   Manufacturer's Virtual Control Panel (VCP) provided with extensions for HP 1000 disk emulation

Host OS   Windows NT v4.0 (minimum)/2000

Virtual I/O   Drivers currently provided for BACI serial card and all MAC discs. Driver/card emulations for HP-IB, MUX, DS/1000 and other I/O devices (suggest your needs to Sales) 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 21-MX MEF-Series, 2100A/S, or 2114/2115/2116 families

Strobe Data Inc.

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

Phone: (425) 861-4940 Fax: (425) 861-4295 www.strobedata.com