

Kestrel A-Series System

The Kestrel A-Series is a complete system replacement for an HP1000 A-Series system. It includes a PCI FPGA-based co-processor card that emulates the CPU and memory of legacy HP1000 A-series computer systems and a 10-slot HP1000 A-Series backplane. The Kestrel A-Series can be used to replace HP1000 A990, A900, A700, A600+, A600, and A400 systems. The Kestrel is designed and manufactured by Strobe Data, Inc. It is sold and installed by Migration Specialties.

The Kestrel is hosted on a Windows-based server. The co-processor card works in conjunction with software components to virtualize legacy A-Series devices such as disk drives, tape drives, serial cards, and other common I/O devices. The Kestrel also provides the means to connect to a physical A-Series backplane, allowing it to interface directly with physical A-Series I/O cards.

The remaining sections of this document provide a description of the Kestrel A-Series system components.

KESTREL HP1000 CO-PROCESSOR CARD

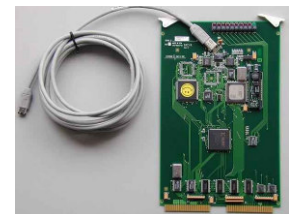
The Kestrel co-processor is available in three speeds, SX, DX, and QX. The Kestrel/SX yields better performance than the HP1000 A400, A600, A600+, A700, or any of the MEF 21MX and 2100 series machines. The Kestrel/DX is twice as fast as the SX and is capable of equal or better performance than HP1000 A900 and A990 systems. The Kestrel/QX is four times as fast as the SX and can be deployed where maximum performance is desired.



The Kestrel co-processor card occupies one PCI slot and is equipped with 4 Mbytes of memory and hardware floating point support. Logic for non-emulated devices is provided on-board with a Firewire connector to wide bandwidth fibrechannel Legacy Interface Card. A Windows XP compatible software support environment is included. FCC/CE certified.

KESTREL LEGACY INTERFACE CARD

The Kestrel Legacy Interface Card (LIC) is a dual-height fibrechannel HP1000 backplane adapter. The fibrechannel cable plugs into HP1000 bus logic connector on the Kestrel. I/O adapter logic provides programmed I/O and DMA access to legacy A-Series I/O cards. 32 MB/sec transmission meets most wide bandwidth application requirements. FCC/CE certifiable.



KESTREL A-SERIES RACK MOUNT CHASSIS & PC SUBSYSTEM

The Kestrel chassis provides the means to house the Kestrel emulator, the Windows host server, and legacy I/O cards in a single rack mount chassis. The chassis provides new power supplies and cooling fans so support legacy I/O cards.



Chassis Tech Specs

The Kestrel chassis is 10.5" high (6U) by 19" wide by 20" deep (266.7 x 482.6 x 508 mm), this chassis is FCC/CE certifiable. A 100-120/200-240 VAC, 47-63Hz input system power supply delivers +3.3@22, +5@26, +12@64, -5@0.5 and -12@0.8 VDC@Amps. A 10-slot A-series backplane, of which 9 are available to the user, is included. Cooling fans, slides, and a passive PC backplane are provided plus space for diskette and hard drives (two visible 3.5" and two hidden 3.5" bays). The unit slides into standard 19" rack.

Integrated PC Subsystem¹

At a minimum, the PC subsystem will contain the following components:

- ATX Motherboard
- 2Ghz CPU
- 1 GB Memory
- Onboard Video
- 80GB Disk Drive
- DVD-ROM
- 17" LCD monitor
- Keyboard
- Mouse
- Windows XP Pro
- Reflection for HP

ANNUAL HARDWARE & SOFTWARE SUPPORT

12 months of hardware and software support are included with purchase. Annual support thereafter is 15% of the purchase price. Standard support is 8:00-5:00MT, Monday – Friday telephone and e-mail support covering hardware and software issues related to the Kestrel emulator. Coverage includes overnight shipment of replacement components if necessary. Return of some failed components is required. HP1000 O/S support is not covered by this contract. If required, on site services are included. Travel expenses for onsite services are not included and will be billed at actual cost.

¹ Migration Specialties reserves the right to substitute equivalent or superior parts.