

1 GENERAL INFORMATION

1.1 Product description

The HP KAYAK personal computer described in this report are all using the same printed board and differ only from processor type used.

The HP KAYAK XU800 is a personal computer build in a E-ATX minitower.

The mother board can accept up to two INTEL SLOT1 microprocessors, rated up to 667 Mhz.

Main features are :

MOTHERBOARD :

- Intel slot1 coppermine 667-600-133-256, Katmai 533-133
- 2 way processing support
- Intel Carmel base chipset + PCI64b
- Memory : 2 RAMBUS channel (2x1.8GB/s), MEC connector for
 - MEC 4x Rimms RDRAM 800MHz, ECC (1GB max)
 - MEX 8x Dimms SDRAM 180MHz, ECC (2/4GB max)
- 2Mb flash memory for BIOS support(FWH)
- Ultra I/O NS80364 / South bridge controller (ICH)
- Sound based on PCI digital controller CSA4280 & AC97 Codec CS4297
- Dual Ultra ATA-66 IDE Channel (2x66MB/s – 2x500MB/s)
- Dual USB (12MB/s)
- SCSI Ultra 2-160m / Fastraid interface on add on cards
- External connectors : 2 serial, 1 parallel, PS/2 mouse, Audio (line In, Line Out, Mic In), Midi, 2 USB
- HP NBA Bios
- ACPI Hardware compliant (Suspend to Ram support)
- Hardware monitoring (I2C) : CPU (μP, PLL, Chipset), memory, Lan, AGP Pro 50W
- Full AGP4x slot, 1 x xPCI bus 32b-33MHz, 1 x PCI bus 64b-66MHz
- Microsoft PC'98 & PC'99 compliant

GRAPHIC :

- AGP4x from 2D Business to Mid-Range 3D
- Multimonitor Solution w Flat Panel support

PACKAGE :

- E-ATX MiniTower
- 3x 5.25" front shelves support
- 2x 3.5" front shelves support
- 2x 3.5" HDD internal shelves
- 3xPCI slots 32 bits/33MHz, 2x PCI slots 64bits/66MHz, No ISA
- 1x AGP Pro4x 50W
- 300W ATX power supply

LAN :

- 10/100 BT with standard WOL on add on board

MASS STORAGE :

- HDD SCSI 9-18 GB (7200 rpm)
- IDE 18GB, 7200 rpm
- Floppy, DVD-ROM, CD-32X, CD-RW

1.2 Related Submittal(s) / Grant(s)

All host equipment used in the test configuration are FCC granted, when relevant.

1.3 Tested System Details

The FCC IDs for all equipment, plus description of all cables used in the tested system (including inserted cards, which have grants) are :

Trade Mark – Model Number (Serial number)	FCC ID	Description	Cable description
HEWLETT PACKARD KAYAK XU-800* (QP1#78)	B94XU800	Personal computer	All data cables are shielded Power cable unshielded
HP D2846A (JP74001000)	Doc. Of Conf.	21" color monitor	Video cable shielded
HP C4742-60101 (C990956103)	Doc. Of Conf.	Keyboard	Cable shielded
HP C4736-60101 (LZA93024031)	JNZ201213	Mouse	Cable shielded
HP C2106A (3110S58792)	B94C2106X	Serial printer	HP 24542G shielded serial cable
HP C6410A (MY9761915T)	Doc. Of Conf.	Parallel printer	HP 24542D shielded parallel cable
HP C1520-10013 (GB00111817)	B94TC152XX	SCSI Tape 2000	HP 5063-1214 shielded SCSI cable
HP D8387A (no serial number)	NA	Headphone	Shielded cable
INTEL VC76 (0045143)	EDUYC76	USB camera	Shielded cable
TELEX 700.373.000.A (no serial number)	NA	Microphone	Shielded cable

*Equipment Under Test

1.4 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-1992, CISPR22-1993/A1:1995 and EN55022:1994/A1:1995.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.5 Test facility

Tests have been performed on October 8, 1998.

The test facility used to collect the radiated and conducted data is the SMEE Actions Mesures facility, located ZI des Blanchisseries, 38500 VOIRON, France. This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-1992 in a letter dated August 04, 1999 (registration number 94821).

This test facility has also been accredited by COFRAC (French accreditation authority for European union test lab accreditation organization), accreditation number 1-0844 as compliant with test site criteria and competence in EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.