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BSD/386™

Source - £625

While some other companies talk about having open systems, Berkeley Software Design, Inc (BSDI) is proud to be the first and only company to provide the ultimate open system – SOURCE – at a price affordable to end users.

BSD/386 is a ''Berkeley UNIX compatible'' operating system for the 386 and 486 PC architectures. It is based on the Networking Release 2, the most recent release from the Computer Systems Research Group of the University of California, Berkeley. The NET2 tape contained no AT&T licensed code, but was not a complete system. BSDI has completed the system and added additional drivers. The resulting system does not require a license from AT&T, and so is available in source form at a fraction of AT&T's price.

BSD/386 is a complete system. There are no optional modules or multiuser fees. The system includes full TCP/IP networking; the X Window System Version 11, Release 5; POSIX functionality; ANSI C; C++; a new implementation of Sun's Network File System (NFS), text processing software, (groff, TEX) and much more.

BSD/386 comes with 60 days of support and a 90 day money back guarantee. We are currently shipping beta releases to sites that wish to try the software. Beta sites receive free support until the production version ships (projected for Summer 1992) and will get a free upgrade to the production system. The standard 60 support will start with the shipment of the production system.

Berkeley Software Design International (Europe) Ltd are the sole distributors of BSD/386 in Western Europe. We will distribute the system and supply end-user support.

Supported Hardware	
Bus	Any 386/486 ISA (EISA and MCA coming)
Floating Point	Any Intel 387 or compatible (optional)
Disk Storage Tape SCSI SCSI tape	IDE/ESDI/RLL/MFM hard disks QIC-150 – WangTek 5150PK QIC-02 Any SCSI disk with Adaptec 1542b, but no other SCSI adaptors; Adaptec 1740 MIGHT work in 1542B mode Maynard/Archive 2150S streamer tape on Adaptec 1542b
Floppy	3.5 inch and 5.25 inch High Density (maximum 1 floppy controller)
Serial ports	Standard PC serial (aka COM) ports, including NS16550AF UARTs (up to 4 ports with reconfiguration)
Displays	Monochrome, EGA, VGA, see over for SVGA support
Mice	1200-9600 baud serial mice – Logitech, MicroSoft, MMSeries, Mouse Systems
Ethernet	Novell NE2000, Western Digital 8003 Ethernet/Starlan adapter WD8003E, WD8003EBT, WD8003S, WD8003SBT, WD8013EBT & WD8013EP
Recommended System	
Processor	486 or 386 with 387, ISA bus – memory 4 MB, 8 Mb to 10 Mb with X
Tape	QIC-150 cartridge, local or remote on network
Floppy	3.5 inch 1.4 Mbyte
Disk drive	100 MB minimum, 300 MB for active work on sources
Display	SVGA board with 1MB memory & high bandwidth (70MHz or more). Non-interlaced monitor with high frequency (70Khz) & high bandwidth (70MHz)

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Licensing terms

BSD/386 is licensed on a per-system basis. Once a source license has been purchased, binary-only systems may be run on additional CPUs for a considerably reduced fee. Departmental and OEM deals are available. We expect to be shipping binary versions of the system in late 1992.

Displays

This is a list of cards known to work with the X11R5 supplied with BSD/386. It is not an exclusive list, but rather one that is known to work. The boards are supported in 256-colour mode ONLY and usually require that the card have the maximum memory that it is capable of supporting (1MB for 1024x768).

Super VGA cards	Max Resolution	Chip Set	Super VGA cards	Max Resolution	Chip Set
Compuadd Hi-Rez w/1MB	1024x768	ET4000	Orchid ProDesigner II/1024	1024x768	ET4000
Diamond Speedstar	1024x768	ET4000	Paradise VGA Professional	640x480	PVGA1A
EIZO MD-10	800x600	ET3000	Paradise VGA 1024	640x480	WD90C00
GENOA 5300/5400	800x600	ET3000	Sigma Legend	1024x768	ET4000
GENOA 6400	800x600	GVGA	STB PowerGraph w/1Mb	1024x768	ET4000
Optima Mega/1024	1024x768	ET4000	Swan SVGA with VCO chip	1024x768	ET4000
Orchid ProDesigner	800x600	ET3000	TRICOM Mega/1024	1024x768	ET4000

The Orchid co-processor is *not* supported.

Future developments

BSD/386 will not stand still. It will continue to be developed and expanded. New drivers for different devices will be added. Plans for the future include a DOS emulation package and support for SCO UNIX V3.3 binaries.

Example Hardware known to work	
Systems	Gateway 2000 486/33 ISA High definition systems 486/25 ISA; 386 SX/16 ISA ACCELL 486/33 ISA; 386/40 ISA
Mother boards	Micronics 486/33; EISA Tech 80386SXC 16MHz; several no-name generics
Controllers	
IDE	CCAT100A; many no-name generics
ESDI	UltraStor Ultra 12F; Data Technology DTG 6282-24; WD10077V-SE2; several no-name generics
SCSI	Adaptec 1542b
Disks	
IDE	Western digital
ESDI	Miniscribe 380, Maxtor XT-8380E, Maxtor 8800
SCSI	Maxtor 8380S
Tapes	
QIC-02	Wangtek 5150PK (QIC-150)
SCSI	Archive 2150S
Ethernet	WD Elite 16 Ethercard Plus; WD 8003E; Novell NE2000; 3Com Etherlink 16 (3C507)
Super VGA cards	Diamond Speedstar, Orchid ProDesigner II

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