

# IBM 486DX2 Microprocessor Chipset Support



## *Application Note*

The following table lists chip sets that support the IBM 486 DX2 microprocessors. For each vendor, chip set part numbers are shown together with a description of the level of support provided by the chips. Use this table to select chip sets that support your design requirements; contact the individual vendors for additional technical details and to discuss availability of samples and production quantities as well as for price quotations.

IBM 486DX2 ChipSet Support						
Vendor	ChipSet	Supply Voltage	WB Cache	Suspend Mode	SMM	Notes
ACC	2046NT & 2046LV	split	no	no	yes	NT=5V,LV=3V, L2 CC
	2046ST	split	no	no	yes	206 shadow registers
	2086	5	no	no	yes	256-pin QFP, integrated super I/O
	2168gt	5	no	no	yes	L2 cache, green features
	2066	split	no	yes	yes	
	2178	5	no	yes	yes	DT version of 2066
	2066A	split	yes	yes	yes	
	2178A	5	yes	yes	yes	DT version of 2066A
	2188	5	--	--	--	VL-to-PCI bridge
ALI	M1429	5	yes	yes	yes	
	M1429G	5	yes	yes	yes	1429 w/power management
	M1435	5	--	--	--	VESA-to-PCI bridge
	M14239	5	yes	yes <sup>1</sup>	yes	Advance of 1429G
	M1445	5	--	--	--	VESA-to-PCI bridge, advance of 1435
	M1709	split	yes	yes	yes	No L2 cache, 3V/5V for NBs
ATMEL	AT40411/40412	5	yes	no	yes	VL-ISA-PCI busses, 2nd source for IMS 8848/49
C & T	4041/4035	5	yes	yes	yes	Integrated KB and fast IDE
CONTAQ	596(A)	5	no	no	no	
	597	5	yes	yes	yes	596 + WB support
	599	5	--	--	--	VESA to PCI bridge
EFAR	EC800	5	no	no	no	
	EC802G	5	yes	yes	yes	
	EC810PB	5	--	--	--	VL-to-PCI bridge

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ETEQ	Cheetah - ET6000	5	no	no	no	no L2 Cache control
	Jaguar - ET9000	5	no	no	no	single-chip 184 pin QFP
	Mustang - ET9600	5	no	no	no	
	5003	5	--	--	--	VL-to-PCI bridge
FOREX	46C421/422	5	no	no	no	
	521	5	no	no	no	421/422 integration
	601/602	5	yes	yes	yes	3rd chip for PCI in Q2 94
GREEN LOGIC	GL488(Saratoga)	split	yes	yes	yes	
HINT	CS8001/8002	5	no	no	no	PCI bridge in Q3 94
	CS8005	5	no	no	no	
	CS8006	5	yes	yes	yes	
IBM	82454 (ALTA)	split	yes	no	no	PCI
	82374	5	--	--	--	PCI-to-ISA bridge
IMS	IMS8849/8848	5	yes	no	yes	VL/ISA/PCI busses, green PC support
MACRONIX	83C419	5	yes	no	no	
OPTI	82C463	5	no	no	yes	
	82C465MV	split	yes	yes	yes	463 pin compatible
	495SX	5	no	no	no	
	495SLC	5	no	no	no	
	495XLC	5	yes	no	no	
	82C463MV	split	no	yes	yes	mixed voltage
	802A	5	yes	no	no	
	802G	5	yes	no	no <sup>2</sup>	
	802GP	5	yes	no	no	802GP + 832 + 601P = Blackhawk
	895	5	yes	no	no	802G with 4-bank DRAM support for APAC
	822	5	--	--	--	VESA-to-PCI bridge
PICOPOWER	82C268(Evergreen)	5	no	no	yes	
	368(Pine)	split	no	yes <sup>1</sup>	yes	
	378(Cedar)	split	no	yes <sup>1</sup>	yes	16 bit Pine
	388(Spruce)	split	no	yes <sup>1</sup>	yes	Cost reduced 368
	868/818 (Fir)	split	yes	yes <sup>1</sup>	yes	2-144 TQFPs
	668/618 (Redwood)	split	yes	yes <sup>1</sup>	yes	L2 cache support, 160 PQFP version
	768/718 (Redwood)	split	yes	yes <sup>1</sup>	yes	176 TQFP version
	786 (PCMCIA PLUS)	split	--	--	--	For Redwood only
	826 (Juniper)	5	--	--	--	VL-to-PCI bridge

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SIS	460	5	no	no	no	
	461	5	no	no	no	460 backward compatible
	EISA - 406/411/431	5	no	no	no	
	471B	5	yes	yes	yes	
	471E	5	yes	yes	yes	New version chipset of 471B
	496/497	5	yes	yes	yes	PCI
SYMPHONY	Haydn	5	no	no	no	
	491/492 (Wagner)	5	yes	yes	yes	
	491/492/495 (Strauss)	5	yes	yes	yes	Wagner + PCI bridge
UMC	491	5	no	no	no	481/482 + 206
	481/482	5	no	no	no	
	481B	5	no	no	no	
	498	5	yes	yes	yes	
	8486F/8365	split	yes	yes	yes	NB chipset, 8365 is PCMCIA chipset
	881/886	5	yes	yes	yes	PCI-based
UNICHIP	U4800VLX	5	yes	no	no	
	U4900G	split	yes	yes	yes	
VIA	VT82C486A	5	yes	yes	yes	
	VT82C496G	split	yes	yes	yes	
VTI	Scamp IV	split	no	no	no <sup>2</sup>	
	82C481	5	yes	no	no	
	82C482	5	yes	no	no	50 MHz version of 481
	82C483	5	yes	no	no <sup>2</sup>	482 & SMM support for green PCs
	82C486	5	no	no	no	
WD	8110	split	no	yes	yes	3V-33MHz, their last product

(1) Supports SUSP# only.

(2) Only supports the Intel SL-like SMM interface.

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