

Your AT can use the new high capacity,
high performance hard disks with

DUB-14

Disk Upgrade BIOS for ATs

SUPPORT THE ADD-ON DRIVE YOU CHOOSE—ALL OF IT!

More than fifty hard disk drives were left out of the AT's Drive Table. DUB-14 puts them in, so you can pick the one that's best for you. Any physically compatible drive, including removable media drives, can be attached to the standard AT controller and accurately recognized by the system.

The DUB-14 Drive Tables include all compatible drives currently on the market, and we'll be adding new ones as they're introduced.

USE ALL THE CAPACITY YOUR DRIVE CAN GIVE YOU—

If you've already added a drive to your AT, you may be losing a lot of disk storage. Without DUB-14, you're stuck with the Drive Type that comes closest to your drive—you can lose a lot of capacity that way! For example, if you have Miniscribe's "20 Megabyte AT drive," you lose 5 megabytes. With the Seagate 4051, you again lose 5 megabytes, and so on . . .

DUB-14 is a short add-on board with a lot of smarts. It plugs into a half-slot on your AT and allows you to automatically use all your drive's capacity under UNIX, XENIX, PICK, NOVELL—any operating system which could use your favorite drive if only the AT would let it. DUB-14 includes a complete Set-Up routine and low-level format facility for your drive.

If you're concerned about a specific compatibility issue, call us.

DUB-14

\$95

\$3 shipping/
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California orders
add 6%



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GOLDEN BOW SYSTEMS

This table lists the hard disk drives currently supported with **DUB-14**, by manufacturer and model number. If your favorite drive isn't here, call us—we've probably added it. RLL support will be available soon!

Each entry in the table gives the drive's parameters including rated capacity, capacity through the standard PC-AT Drive Type Table, and the capacity with **DUB-14**. The rightmost columns, EXTRA MB and % INCREASE, show the amount and percentage of extra storage you get with **DUB-14**.

LEGEND:

HDS = The number of data surfaces.
CYL = The number of cylinders.
WP = Write precompensation cylinder.

STANDARD AT TYPE = Best choice from 1st 14 types in AT's drive table.
STANDARD AT SIZE = Capacity using AT's drive types.
DUB-14 SIZE = Capacity using DUB-14.

MANUFACTURER	MODEL	HDS	CYL	WP	STD. AT TYPE	STD. AT SIZE	DUB-14 SIZE	EXTRA MB	% INCREASE
ATASI	AT3046	7	635	320	3	32.1	38.7	6.6	20.5%
ATASI	AT3085	8	1024	1024	4	65.5	71.3	5.8	8.8%
BULL	D530	3	987	987	10	21.4	25.8	4.4	20.5%
BULL	D550	5	987	987	11	37.2	43.0	5.8	15.5%
BULL	D570	7	987	987	12	52.1	60.1	7.9	15.1%
CDC	9415-5-36	5	697	0	2	21.4	30.3	8.9	41.5%
CDC	94205-51	5	989	0	2	21.4	43.0	21.6	100.9%
CDC	94155-48	5	925	0	2	21.4	40.3	18.9	88.3%
CDC	94155-67	7	925	0	3	32.1	56.4	24.3	75.7%
CDC	94155-86	9	925	0	*	0.0	72.5	72.5	++
CMI	CM6426	4	615	256	2	21.4	21.4	0	0.0%
CMI	CM6640	6	640	256	3	32.1	33.4	1.3	4.0%
FUJITSU	M2235AS	8	320	320	13	21.3	22.3	1.0	4.6%
FUJITSU	M2241AS	4	754	754	6	21.4	26.3	4.9	22.8%
FUJITSU	M2242AS	7	754	754	14	44.7	45.9	1.2	2.6%
FUJITSU	M2243AS	11	754	754	14	44.7	72.2	27.5	61.5%
HITACHI	DK511-5	7	699	256	3	32.1	42.6	10.5	32.7%
HITACHI	DK511-8	10	823	823	14	44.7	71.6	26.9	60.1%
MAXTOR	XT-1065	7	918	918	12	52.1	55.9	3.8	7.2%
MAXTOR	XT-1085	8	1024	1024	12	52.1	71.3	19.2	36.8%
MAXTOR	XT-1105	11	918	918	12	52.1	87.9	35.8	68.7%
MAXTOR	XT-1140	15	918	918	9	117.5	119.9	2.4	2.0%
MAXTOR	XT-2085	7	1224	1224	12	52.1	74.6	22.4	43.0%
MAXTOR	XT-2140	11	1224	1224	12	52.1	117.2	65.1	125.0%
MAXTOR	XT-2190	15	1224	1224	9	117.5	159.8	42.3	36.0%
MICROPOLIS	1303	5	830	400	2	21.4	36.1	14.7	68.6%
MICROPOLIS	1304	6	830	400	3	32.1	43.3	11.2	34.8%
MICROPOLIS	1323A	5	1024	1024	11	37.2	44.6	7.4	19.8%
MICROPOLIS	1324	6	1024	1024	5	49.1	53.5	4.4	8.9%
MICROPOLIS	1324A	7	1024	1024	12	52.1	62.4	10.3	19.7%
MICROPOLIS	1325	8	1024	1024	4	65.5	71.3	5.8	8.8%
MICROSCIENCE	HH1050	5	1024	1024	11	37.2	44.6	7.4	19.8%
MINISCRIBE	MS3425	4	612	128	1	10.7	21.3	10.6	99.0%
MINISCRIBE	MS6032	3	1024	512	*	0.0	26.7	26.7	++
MINISCRIBE	MS6053	5	1024	512	2	21.4	44.6	23.2	108.0%
MINISCRIBE	MS6085	8	1024	512	4	65.5	71.3	5.8	8.8%
NEC	5126	4	612	128	1	10.7	21.3	10.6	99.0%
NEC	5146	8	615	128	7	32.2	42.8	10.6	32.9%
NEWBURY DATA	PENNY-340	8	615	615	7	32.2	42.8	10.6	32.9%
NEWBURY DATA	XT-1065	7	918	918	12	52.1	55.9	3.8	7.2%
NEWBURY DATA	XT-1085	8	1024	1024	12	52.1	71.3	19.2	36.8%
NEWBURY DATA	XT-1105	11	918	918	12	52.1	87.9	35.8	68.7%
NEWBURY DATA	XT-1140	15	918	918	9	117.5	119.9	2.4	2.0%
NEWBURY DATA	XT-2085	7	1224	1224	12	52.1	74.5	22.4	43.0%
NEWBURY DATA	XT-2140	11	1224	1224	12	52.1	117.2	65.1	125.0%
NEWBURY DATA	XT-2190	15	1224	1224	9	117.5	159.8	42.3	36.0%
PRIAM/VERTEX	V130	3	987	987	10	21.4	25.8	4.4	20.5%
PRIAM/VERTEX	ID40,V150	5	987	987	11	37.2	43.0	5.8	15.5%
PRIAM/VERTEX	ID60-V170	7	987	987	12	52.1	60.1	8.0	15.3%
QUANTUM	Q540	8	512	256	7	32.2	35.7	3.5	10.8%
RODIME	RO202E	4	640	0	2	21.4	22.3	.9	4.2%
RODIME	RO203E	6	640	0	3	32.1	33.4	1.3	4.0%
RODIME	RO204E	8	640	0	7	32.2	44.6	12.4	38.5%
SEAGATE	ST225	4	615	300	2	21.4	21.4	0.0	0.0%
SEAGATE	ST251	6	820	820	3	32.1	42.8	10.7	33.3%
SEAGATE	ST4026	4	615	615	6	21.4	21.4	0.0	0.0%
SEAGATE	ST4038	5	733	300	2	21.4	31.9	10.5	49.0%
SEAGATE	ST4038M	5	733	733	8	31.9	31.9	0.0	0.0%
SEAGATE	ST4051	5	977	977	11	37.2	42.5	5.3	14.2%
SEAGATE	ST4096	9	1024	1024	4	65.5	80.2	14.7	22.4%
TANDON	TM703	5	695	695	6	21.4	30.2	8.8	41.1%
TANDON	TM755	5	981	981	11	37.2	42.7	5.5	14.7%
TOSHIBA	MK53FA	5	830	512	2	21.4	36.1	14.7	67.7%
TOSHIBA	MK54FA	7	830	512	3	32.1	50.6	18.5	57.6%
TOSHIBA	MK56FA	10	830	512	*	0.0	72.2	72.2	++
TULIN	TL226	4	640	640	6	21.4	22.3	0.9	4.1%
TULIN	TL240	6	640	640	3	32.1	33.4	1.3	4.0%
AVERAGE INCREASE								14.7	34.2%

* = Manufacturer's recommended write precompensation value not supported in AT Table.