

Disk Drive Yields with Zetaco's Data General-Compatible Disk Controllers

Disk Drives

Disk drives listed in this chart have been tested in Zetaco's laboratories for integration with Zetaco's Data General-compatible disk controllers, under true DG emulation without software patching. If the drive you seek isn't on this chart, please call us -- drive evaluation is an on-going process at Zetaco, and the one you want to interface may simply not be on the chart yet.

Zetaco, Inc. does not recommend any particular drive; we make it our business to be compatible with as many models as possible so that you have a wide choice of drives to meet your specific performance and capacity needs.

Formatted capacity yields, shown in megabytes, are based on the restrictions of DG's operating systems (RDOS, AOS, AOS/VS), not the parameters of the drive or the controller. An X in the column indicates that the drive is not compatible unless the DG operating system is patched. Zetaco does not recommend patching because patches are cumbersome and potentially dangerous due to their interrelationship with the operating system.

Please note the following restrictions under DG operating systems:

RDOS: Below rev. 7.0: may have up to 32 sectors per track.

Rev. 7.0 & above: may have up to 64 sectors per track.

AOS & AOS/VS: 6060, 6061 & 6067 emulations must have 24 sectors per track.

6160, 6161, 6122 & 6214 emulations must have 35 sectors per track.

Zetaco's newest feature, called 'Virtual Mapping,' circumvents many of these operating system restrictions, and allows higher formatted yields from some drives that normally map out inefficiently in the DG world. Zetaco Models BMX-3 and DC-297 offer this technological enhancement.

Data about each drive were taken from the disk drive manufacturer's published product literature, and, while every effort was made to be correct, Zetaco cannot be responsible for its accuracy.

Drive Mfr & Model	DISK CHARACTERISTICS							FORMATTED CAPACITY IN MEGABYTES			
	Data Trans Rate MB/sec	Disk Diam	Type	Heads	Cylin- ders	Maxi- mum Sec- tors	Unfor- matted Capacity in MB	RDOS below Rev. 7.0	RDOS, rev 7.0 & above	AOS & AOS/VS w/o Virtual Mapping	AOS & AOS/VS with Virtual Mapping**
AMCODYNE											
7110	1.2	8"	F/R	2/2	642	32F	26/26	20/20	20/20	X	X
8160	1.2	8"	F	10	823	35	165	134	147	147	147
8220*	1.2	8"	F	10	1115	35	224	182	199	147	190
AMPEX											
Capricorn 165	1.2	14"	F	10	823	35	166	134	147	147	147
Capricorn 330	1.2	14"	F	16	1024	35	330	268	293	147	277 or 190/96
A-330*	1.8	14"	F	8	1024	70	330	134/134	147/147	73/73	277
A-660*	1.8	14"	F	16	1024	70	660	268/268	293/293	147/147	277/277 or 190/190/190
A-825*	1.8	14"	F	20	1024	70	825	335/335	367/367	277/277	602/73
CENTURY DATA											
T82	1.2	14"	R	5	823	35	82	67	73	73	73
T306	1.2	14"	R	19	823	35	315	256	280	277	277
AMS 315	1.2	14"	F	19	823	35	315	256	280	277	277
AMS 513	1.2	14"	F	19	823	55	513	192/192	440	277 or 190/190	190/190/50
AMS 513	1.2	14"	F	19	845	55	513	197/197	452	277 or 190/190	190/190/190
AMS 571	2.0	14"	F	19	941	56	590	256/256	512	277 or 190/190	190/190/96
AMS 571	2.0	14"	F	19	981	56	615	267/267	534	277 or 190/190	190/190/96
C2400*	1.2	8"	F	24	845	35	408	332	363	277	277 or 190/96/50
C2476*	1.8	8"	F	20	845	48	476	207/207	415	277 or 190/190	277 or 190/190
C2075	1.2	8"	F/R	4/2	644	33	53/26	42/21	43/21	X	X
CONTROL DATA											
Lark II 9457	1.2	8"	F/R	2/2	624	32F	24/24	20/20	20/20	X	X
RSD 9710	1.2	8"	R	5	823	35	82	67	73	73	73
FSD 9715-160	1.2	9"	F	10	823	35	165	134	147	147	147
FSD 9715-340	1.2	9"	F	24	711	35	344	279	305	96	277
FSD 9715-500	1.8	9"	F	24	711	52	516	227/227	454	96/96	277 or 190/190

Drive Mfg & Model	DISK CHARACTERISTICS							FORMATTED CAPACITY IN MEGABYTES			
	Data Trans Rate MB/sec	Disk Diam	Type	Heads	Cylinders	Maximum Sectors	Unformatted Capacity in MB	RDOS below Rev. 7.0	RDOS, rev 7.0 & above	AOS & AOS/VS w/o Virtual Mapping	AOS & AOS/VS with Virtual Mapping**
CONTROL DATA (continued)											
SMD 9762	1.2	14"	R	5	823	35	82	67	73	73	73
SMD 9766	1.2	14"	R	19	823	35	300	256	280	277	277
SMD 9775	1.2	14"	F	40	843	35	675	552	602	602	602
EMD 9720	1.8	8"	F	10	1217	52	368	149/149	324	147	277
XMD 9771	1.8	14"	F	16	1024	86	825	268/268	360/360	147/147	602/73
XMD 9772*	3.0	14"	F	16	1064	86	858	278	557	147	602/73
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FUJITSU											
M2280	1.2	14"	F	5	823	35	84	67	73	73	73
M2284	1.2	14"	F	10	823	35	168	134	147	147	147
M2294	1.2	14"	F	16	1024	35	335	268	293	147	277 or 190/96
M2298	1.8	14"	F	16	1024	70	671	268/268	293/293	147/147	277/277 or 190/190/190
M2311	1.2	8"	F	4	589	35	48	38	42	X	X
M2312	1.2	8"	F	7	589	35	84	67	73	X	73
M2322	1.2	8"	F	10	823	35	168	134	147	147	147
M2331	2.5	8"	F	5	823	70	168	67/67	73/73	73/73	73/73
M2333	2.5	8"	F	10	823	70	337	134/134	147/147	147/147	147/147 or 277
M2351 Eagle	1.9	10.5"	F	20	842	48	475	207/207	207/207	277 or 190/190	277 or 190/190
M2361 Eagle XP	2.5	10.5"	F	20	842	70	690	275/275	277/277 or 602	277/277 or 602	277/277 or 602
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KENNEDY											
5380	1.0	14"	F	5	823	35	82	67	73	73	73
53160	1.0	14"	F	10	823	35	165	134	147	147	147
7340	1.2	8"	F	5	411	35	41	33	36	X	X
7380	1.2	8"	F	5	823	35	82	67	73	73	73

* = This drive's compatibility with Zetaco disk controllers has yet to be verified in our test lab.

** = Zetaco's Virtual Mapping feature is currently offered on Models BMX-3 and DC-297.

F in sector column indicates a fixed sector setting.

Drive Mfgr & Model	DISK CHARACTERISTICS							FORMATTED CAPACITY IN MEGABYTES			
	Data Trans Rate MB/sec	Disk Diam	Type	Heads	Cylin- ders	Maxi- mum Sec- tors	Unfor- matted Capacity in MB	RDOS below Rev. 7.0	RDOS, rev 7.0 & above	AOS & AOS/VS w/o Virtual Mapping	AOS & AOS/VS with Virtual Mapping**
MEGAVAULT											
26	1.2	8"	F	1	1316	35	26	21	23	X	X
80	1.2	8"	F	3	1316	35	80	64	70	X	50
132	1.2	8"	F	5	1316	35	132	107	117	73	73
186	1.2	8"	F	7	1316	35	186	150	165	73	73/73
212	1.2	8"	F	8	1316	35	212	172	188	73	73/73
NEC											
D2246	1.2	8"	F	6	692	35	85	68	74	X	50
D2247	1.2	8"	F	5	823	35	82	67	73	73	73
D2247E	1.2	8"	F	5	1024	35	104	83	91	73	73
D2257	1.2	8"	F	8	1024	35	167	134	146	73	96/50
D2352	1.9	9.5"	F	19	760	62	520	236/236	458	96	190/190/50
NORTHERN TELECOM											
MFD 8204	1.2	8"	F	4	1029	33F	90	67	69	X	50
MFD 8208	1.2	8"	F	8	1029	33F	180	134	139	50	96
MFD 8210	1.2	8"	F	10	1029	33F	225	168	173	50	147
8310*	1.9	8"	F	10	1104	50F	378	180	282	147	277
8308*	1.9	8"	F	8	1104	50F	302	144	226	73	192
TECSTOR											
85	1.2	14"	F	5	823	35	82	67	73	73	73
160	1.2	14"	F	12	700	35	169	137	150	X	147
165	1.2	14"	F	10	823	35	165	134	147	147	147
200	1.2	14"	F	12	823	35	199	161	176	147	147
300	1.2	14"	F	19	823	35	315	256	280	277	277
PERTEC											
DX199	1.2	8"	F	6	1649	35	199	162	177	73	147
DX265	1.2	8"	F	8	1649	35	265	216	236	73	190
DX332	1.2	8"	F	10	1649	35	332	270	295	147	277

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PRIAM											
3450	.8	8"	F	5	525	23	35	30	30	X	X
7050	.8	8"	F	5	1050	23	70	61	61	X	50
803	1.2	8"	F	5	850	35	85	69	76	73	73
804	1.2	8"	F	5	1050	35	105	86	94	73	73
806	1.2	8"	F	11	850	35	188	153	167	147	147
807	1.2	8"	F	11	1552	35	344	279	305	147	277 or 190/96
808	1.8	8"	F	11	1552	51	516	209/209	445	147	277 or 190/190/50
3350	1.0	14"	F	3	561	35	34	27	30	X	X
6650	1.0	14"	F	3	1121	35	68	55	60	X	50
15450	1.0	14"	F	7	1121	35	158	128	140	50	73 or 96 or 50/50

DATA GENERAL DISK SUBSYSTEMS (for comparison)

6060	1.2	14"	R	19	411	24	105	96	96	96	N/A
6061	1.2	14"	R	19	815	24	209	190	190	190	N/A
6067	1.2	14"	R	5	815	24	55	50	50	50	N/A
6160	1.2	14"	F	5	823	35	83	67	73	73	N/A
6161	1.2	14"	F	10	823	35	166	134	147	147	N/A
6122	1.2	14"	R	19	815	35	312	253	277	277	N/A
6214	1.2	14"	F	40	843	35	675	552	602	602	N/A

** = Zetaco's Virtual Mapping feature is currently offered on Models BMX-3 and DC-297.

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3450	.8	8"	F	5	525	23	35	30	30	X	X
7050	.8	8"	F	5	1050	23	70	61	61	X	50
803	1.2	8"	F	5	850	35	85	69	76	73	73
804	1.2	8"	F	5	1050	35	105	86	94	73	73
806	1.2	8"	F	11	850	35	188	153	167	147	147
807	1.2	8"	F	11	1552	35	344	279	305	147	277 or 190/96
808	1.8	8"	F	11	1552	51	516	209/209	445	147	277 or 190/190/50
3350	1.0	14"	F	3	561	35	34	27	30	X	X
6650	1.0	14"	F	3	1121	35	68	55	60	X	50
15450	1.0	14"	F	7	1121	35	158	128	140	50	73 or 96 or 50/50

DATA GENERAL DISK SUBSYSTEMS (for comparison)

6060	1.2	14"	R	19	411	24	105	96	96	96	N/A
6061	1.2	14"	R	19	815	24	209	190	190	190	N/A
6067	1.2	14"	R	5	815	24	55	50	50	50	N/A
6160	1.2	14"	F	5	823	35	83	67	73	73	N/A
6161	1.2	14"	F	10	823	35	166	134	147	147	N/A
6122	1.2	14"	R	19	815	35	312	253	277	277	N/A
6214	1.2	14"	F	40	843	35	675	552	602	602	N/A

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DG-Compatible Disk Controllers

Zetaco Disk Controllers fully emulate Data General subsystems 6060, 6061, 6067, 6160, 6161, 6122 & 6214 (Zebra, Kismet, Vulcan), and are enhanced for higher performance. All run under unmodified DG operating systems on Nova, Eclipse and Eclipse/MV models. For details on each controller model, please refer to Zetaco's product brochures.

- Model BMX-3: Both FCC and non-FCC chassis compatible.
BMC or DCH interface.
RDOS, AOS, AOS/VS.
Supports up to 2.5 MB/sec data transfer rate.
Features 'Virtual Mapping' for
higher formatted yields.
- Model BMX-1: Both FCC and non-FCC chassis compatible.
BMC or DCH interface.
RDOS, AOS, AOS/VS.
Supports up to 2 MB/sec data transfer rate.
- Model DC-297: Both FCC and non-FCC chassis compatible.
DCH interface.
RDOS, AOS.
Supports up to 2.5 MB/sec data transfer rate.
Features 'Virtual Mapping' for
higher formatted yields.
- Model DC-295: Non-FCC chassis compatible.
DCH interface.
RDOS, AOS.
Supports up to 2 MB/sec data transfer rate.
- Model DC-296: FCC chassis compatible.
DCH interface.
RDOS, AOS.
Supports up to 2 MB/sec data transfer rate.
- Model ZDF-1: Dual function disk/tape controller.
Both FCC and non-FCC chassis compatible.
DCH interface.
RDOS, AOS.
Supports up to 2 MB/sec disk data transfer rate.

Legend for Chart

MB = Megabyte
MB/sec = Megabyte per second
F = Fixed media drive
R = Removable media (winchester)
F/R = Combination fixed/removable media
BMC = DG's Burst Multiplexor Channel
DCH = DG's Data Channel