

FLOPPY FORMATS v1.11

(and more)

06.04.2020

Manufacturer / Controller	DRIVE	CODE	RPM	TRACKS / INCH	KB (Bytes/1024)	TRACKS PER SIDE (T)	TRACKS PER DISK (T)	Cylinders	SI Heads	DES	DENSITY	BYTES / SECTOR (A)	SECTORS / TRACK (N)	SECTORS (TI-99= -2)	REMARKS
TI SD Controller	5.25"	FM	300	48	90	40	40		1	SS	SD	256	9	360	
TI SD Controller	5.25"	FM	300	48	158	35	70		2	SS	SD	256	9	630	
TI SD Controller	5.25"	FM	300	48	180	40	80		2	DS	SD	256	9	720	max capacity
TI-MOD80	5.25"	MFM	300	96	360	80	160		2	DS	SD	256	9	1440	
Atronic / CPS / SNUG	5.25"	MFM	300	48	360	40	80		2	DS	DD	256	18	1440	Jim Fetzner has an Atronic controller
Corcomp CC-9900	5.25"	MFM	300	48	360	40	80		2	DS	DD	256	18	1440	max capacity
Percom Data TX99	5.25"	MFM	300	48	90	40	40		1	SS	SD	256	9	360	Sidecar Controller – Jim Fetzner has one
Percom Data TX99	5.25"	MFM	300	48	180	40	80		2	DS	SD	256	9	720	
TI DD Controller (NR)	5.25"	MFM	300	48	160	40	40		1	SS	DD	256	16	640	Never Released-Jim Fetzner has two of these
TI DD Controller (NR)	5.25"	MFM	300	48	320	40	80		2	DS	DD	256	16	1280	It originally came with a Disk Manager 3 cartridge (on an EGROM)
TI Hex-Bus Controller	5.25"	MFM	300	48	160	40	40		1	SS	DD	256	16	640	Jim Fetzner has one—and one hand-built by Michael Becker
TI Hex-Bus Controller	5.25"	MFM	300	48	320	40	80		2	DS	DD	256	16	1280	Jon & Klaus have them
V9T9/HxC .HFE	.DSK	MFM	300	48	720	80	160		2	DS	DD	256	18	2880	supports *all* formats (QD?)
NanoPEB Vx	.DSK	MFM	300	48	800	40	80		2	SS	DD	512	20	1600	512 bytes/sector, but only 256 used
Myarc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myarc DDCC-1	5.25"	MFM	300	48	90	40	40		1	SS	SD	256	9	360	
Myarc DDCC-1	5.25"	MFM	300	48	180	40	80		2	DS	SD	256	9	720	
Myarc DDCC-1	5.25"	MFM	300	48	320	40	80		2	DS	DD	256	16	1280	
Myarc DDCC-1	5.25"	MFM	300	48	360	40	80		2	DS	DD	256	18	1440	
Myarc DDCC-1-80	5.25"	MFM	300	96	640	80	160		2	DS	QD	256	16	2560	QD=80 tracks per side
Myarc DDCC-1-80	5.25"	MFM	300	96	720	80	160		2	DS	QD	256	18	2880	
Myarc FDC Clone-AA-2015bis	3.5"	MFM	360	96	720	80	160		2	DS	DD	256	18	2880	(seen on AtariAge http://atariage.com/forums/topic/233744-on-the-topic-of-a-new-controller-card-for-the-ti-994a/?n=3174450)
Myarc HFDC (all fmts)	3.5"	FM	300	48	90	40	40		1	SS	SD	256	9	360	40 Track: 16ms & 8ms, max 360KB
Myarc HFDC	3.5"	FM	300	48	180	40	80		2	DS	SD	256	9	720	
Myarc HFDC	3.5"	FM	300	48	180	40	40		1	SS	DD	256	18	720	not readable in TI-standard controller (has 180KB by DS, not by DD)
Myarc HFDC	3.5"	FM	300	96	360	80	160		2	DS	SD	256	9	1440	80 Track: 2ms, max 720KB
Myarc HFDC	3.5"	MFM	300	48	320	40	80		2	DS	DD	256	16	1280	
Myarc HFDC	3.5"	MFM	300	48	360	40	80		2	DS	DD	256	18	1440	Interleave=4, Skew=0, Pre-Gap-Lenght=Synch-Zone=12, AutoGap3
Myarc HFDC	5.25"	MFM	300	96	640	80	160		2	DS	QD	256	16	2560	
Myarc HFDC	3.5"	MFM	300	48	360	40	80		2	DS	DD	256	18	1440	
Myarc HFDC	3.5"	MFM	300	96	720	80	160		2	DS	QD	256	18	2880	
Myarc HFDC	3.5"	MFM	300	96	1.440	80	160		2	DS	QD	256	36	5760	
Myarc HFDC-MOD80	3.5"	MFM	360	96	1.440	80	160		2	DS	HD	256	36	5760	Requires the correct revision of the data separator & a Geneve 9640
TI - HDDs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TI - HDDs	5.25"	MFM /	RLL												Myarc HFDC
TI - HDDs	5.25"	SASI													Myarc Personality Card – Jim Fetzner has one
TI - HDDs	5.25"	SCSI	-1												WHT SCSI/SNUG ASCSI
TI - HDDs	5.25"	SCSI	-2 8bit												WHT SCSI/SNUG ASCSI
TI - HDDs	3.5"	IDE											?		Nouspikel IDE
Myarc HFDC/NEC D3142	3.5"/HDD	MFM	3600	850	42.024	618	4944	642	8	4P	MFM	512	17	84048	Original settings of D3142 (44 MB)
Myarc HFDC/NEC D3142	3.5"/HDD	MFM	3600	850	64	1	8	642	8	4P	MFM	256	32	256	HFDC settings for D3142

FLOPPY FORMATS v1.11

(and more)

06.04.2020

Manufacturer / Controller	DRIVE	CODE	RPM	TRACKS / INCH	KB (Bytes/1024)	TRACKS PER SIDE (T)	TRACKS PER DISK (/T)	Cylinders	SI Heads	DES	DENSITY	BYTES / SECTOR (/A)	SECTORS / TRACK (/N)	SECTORS (TI-99= -2)	REMARKS
Myarc HFDC/NEC D3142	3.5"/HDD	MFM	3600	850	68	1	8	642	8	4P	MFM	256	34	272	by software by Mike Maksimik
TI - MEDIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD/SDHC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FlashROM 99
CF	-	-	-	-	400	40	80	-	2	DS	SD	256	20	1600	NanoPEB/CF7+
LAN/Browser	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ie Chess,eMail
HDX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+RS-232 +PIO
USB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PEB-card, Keyboard, SideCar...
IBM-PC	8"	-	-	-	-	-	-	-	-	-	-	-	-	-	- Coercivity
IBM-PC	8"	MFM /	360	48	250	77	77	-	1	SS	SD	128	26	2002	https://en.wikipedia.org/wiki/List_of_floppy_disk_formats
IBM-PC	8"	MFM /	360	48	501	77	154	-	2	DS	SD	128	26	4004	
IBM-PC	8"	MFM /	360	48	616	77	77	-	1	SS	DD	1.024	8	616	300 Oe Coercivity
IBM-PC	8"	MFM /	360	48	1.232	77	154	-	2	DS	DD	1.024	8	1232	
IBM-PC	5.25"	-	-	-	-	-	-	-	-	-	-	-	-	-	- Coercivity
IBM-PC	5.25"	MFM /	300	48	160	40	40	-	1	SS	DD	512	8	320	300 Oe Coercivity - 5536 max. Rec.Dens. - 0.25/0.18M
IBM-PC	5.25"	MFM /	300	48	320	40	80	-	2	DS	DD	512	8	640	300 Oe Coercivity - 5876 max. Rec.Dens. - 0.5/0.36M
IBM-PC	5.25"	MFM /	300	48	180	40	40	-	1	SS	DD	512	9	360	
IBM-PC	5.25"	MFM /	300	48	360	40	80	-	2	DS	DD	512	9	720	250 Kb/sec
IBM-PC	5.25"	MFM /	300	96	360	80	80	-	1	SS	1D96	512	9	720	300 Oe Coercivity - 5576 max. Rec.Dens. - 0.5/0.36M
IBM-PC	5.25"	MFM /	300	96	720	80	160	-	2	DS	2D96	512	9	1440	300 Oe Coercivity - 5922 max. Rec.Dens. - 1.0/0.72M
IBM-PC	5.25"	MFM /	300	96	320	80	80	-	1	SS	QD	512	8	640	300 Oe Coercivity
IBM-PC	5.25"	MFM /	300	96	640	80	160	-	2	DS	QD	512	8	1280	300 Oe Coercivity
IBM-PC	5.25"	MFM /	360	96	1.200	80	160	-	2	DS	HD	512	15	2400	600 Oe Coerc- 1.6/1.2M - 500 Kb/sec - 9650 max. Rec.Dens. -
IBM-PC	3.5"	-	-	-	-	-	-	-	-	-	-	-	-	-	- Coercivity
IBM-PC	3.5"	MFM /	300	67,5	160	40	40	-	1	SS	SD	512	8	320	600 Oe
IBM-PC	3.5"	MFM /	300	135	320	80	80	-	1	SS	DD	512	8	640	600 Oe (300 Oe)
IBM-PC	3.5"	MFM /	300	135	360	80	80	-	1	SS	DD	512	9	720	600 Oe (300 Oe)
IBM-PC	3.5"	MFM /	300	135	640	80	160	-	2	DS	DD	512	8	1280	600 Oe (300 Oe)
IBM-PC	3.5"	MFM /	300	135	720	80	160	-	2	DS	DD	512	9	1440	600 Oe (300 Oe)
IBM-PC	3.5"	MFM /	300	135	1.440	80	160	-	2	DS	HD	512	18	2880	750 Oe (600 Oe)
IBM-PC	3.5"	MFM /	300	135	1.680	80	160	-	2	DS	HD	512	21	3360	750 Oe (600 Oe)
IBM-PC	3.5"	MFM /	300	135	1.722	82	164	-	2	DS	HD	512	21	3444	750 Oe (600 Oe)
IBM-PC	3.5"	MFM /	300	135	2.880	80	160	-	2	DS	ED	512	36	5760	900 Oe
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Seagate 8 TB ST8000A	3.5"	SATA3	5400	435k	1.315.440.000	435.000	435.000	16383	12	-	-	4.096	63	328860000	8.589.934.592 Kbytes (12 heads/6 disks)