Commodore Compatible "Hard Disk Drive" Alternatives – Compared to the Original 1541 Floppy

Feature / Function	Original	CMD HD	CMD RL	IDE64	MMC64	IECATA	1541-III	SD2IEC	1541EMU	64HDD
	1541			(v3.2)					_	V
Туре	Hardware	Hardware	Cartridge	Cartridge	Cartridge	Hardware	Hardware	Hardware	PC Software	PC Software
C= support:										
C64	Yes	Yes	Yes	Yes	Menu Only	Yes	Yes	Yes	Yes	Yes
C128	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
C16/+4	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
VIC20	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
Serial Cable (compatibility)	Yes	Yes	-	-	-	Yes	Yes	Yes	Yes - special	Yes – X/XE
Parallel Cable Option	Aftermarket	Yes – needs	N/a	N/a	N/a				_	Yes – Pwr/XE
Available	Modification	CMD RL	N/a	IN/a	N/a	-	-	-	-	ies – PWI/AE
Optional ROM Upgrade	Yes / carts	JiffyDOS US\$29	Built-in	Built-In	Built-In	-	-	-	Binary	PwrROM/cart
Disk Image Support	-	Imported D64	Imported D64	Extracted D64 only	Transfer D64 to real 1541	-	D64	D64, D71, D81,DNP	D64 only	D64, D71, D81, D2M
Tape Image Support	-	-	-	-	-	-	T64	-	-	T64
File support: Read	Yes	Yes	Yes	Yes	Menu Only	Yes	Yes	Yes	Yes	Yes
Write	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
PRG, SEQ	Yes	Yes	Yes	Yes	Menu Only	Yes	Yes	Yes	Yes	Yes
REL	Yes	Yes	Yes	Only OS	-	Not yet	Not yet	Limited	Yes	Not yet
Direct Access	Yes	Yes	Yes	v0.9	_	-	-	Yes	Yes	Yes
Directory:										
Standard	Yes	Yes	Yes	Yes	_	Yes	Yes	Yes	Yes	Yes
Advanced	Yes	Yes	Yes	???	-	Yes	???	???	Yes	Yes
Command Channel	Yes	Yes	Yes	Yes	-	Subset	Subset	Yes	Yes	Yes
Compatibility:										
Fastloaders	Yes	No***	-	-	-	No CPU	No CPU	Some	Depends**	Custom^^
GEOS	Yes	Yes^	Yes^	Yes %	-	-	_	-	Yes – D64	Yes^
Cartridge	Yes	Mostly	-	-	-	Not many	Not many	Some	Mostly	Mostly
JiffyDOS	Yes	Yes	Yes	Tolerant	Tolerant	Not	-	Yes	Depends**	Tolerant
Max Capacity	166kb	2GB, 254 partitions	16Mb, 31 partitions	2GB, two drives (??)	MMC/SD Limit	Up to 128GB	SD Cards	SD Cards	166kb	Only limited by PC used
CDROM Support	-	Yes – driver	N/a	Yes	-	Not yet	-	_	-	Yes
User Subdirs	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes
<b>User Partitions</b>	nil	254	31	16 on v0.9	nil	nil	nil	Hardware	nil	990
Price US\$	eBay	\$249 +	\$208 +	\$149* + CF	EUR50	Build	50EURO	\$45 <sup>++</sup>	Free	Free \$59 for
(h/ware and s/ware)#	\$10 or more	HDD	RAM	HDD / PSU		yourself		+SDCard		Professional

US\$149 from Modernity in Canada, or EURO136,00 on-line at Go64!

Disk driver required

Despite having a 6502 CPU, it runs at 2MHz and most programs I've tried crash as they were written for a 1MHz drive

LPT port latency is critical. My personal experience suggests many fast loaders lose synchronisation

bare board needing connections to cables and power, SD card for storage extra

Drive / CF card must be dedicated to GEOS only and GEOS requires a disk driver. %

 $<sup>\</sup>Lambda\Lambda$ 64HDD custom command line prefix and cartridge versions supported

Items which cannot be self-made or used for other purposes. XE1541 cables can be purchased from US\$20; the 1541EMU cable is slightly more. Shipping extra, except for 64HDD which includes worldwide shipping.