

HP DVD Writer dvd640e - Product number

Product	Description	Product numbers
dvd640e	HP dvd640e DVD Writer external USB drive	Q6764A

Minimum system requirements

Operating system

Microsoft Windows XP and 2000 SP3 or later (the latest service pack is recommended).

Interface

USB 2.0 interface and available port on PC

Processor/RAM

800 MHz Intel Pentium III processor or equivalent (1.6 GHz Intel Pentium IV processor or equivalent recommended).

128 MB of RAM (256 MB is recommended for video editing).

Hard drive space required

650 MB free for software installation. 10 GB free for DVD video disc creation. 18GB free for double-layer DVD editing.

Video resolution

1024 x 768 video resolution with a minimum of 16 bit color required for video capture, authoring, and editing.

Video capture

IEEE 1394 interface or analog video capture device required.

Drive recording performance

Write	Maximum speed	Read	Maximum speed
CD-R	Up to 40x (CAV or P-CAV)	CD-ROM	Up to 40x (CAV)
CD-RW	Up to 24x (Z-CLV)	DVD-ROM	Up to 16x (CAV)
DVD+R	Up to 16x (CAV)		
DVD+RW	4x (CLV)		
DVD+R DL	2.4x (CLV)		
DVD-R	Up to 8x (Z-CLV)		
DVD-RW	4x (CLV)		

LightScribe labeling times (approx.)

Setting	Title Only	Title and Content	Full Label (with graphics)
Best	<4 min.	<9 min.	<36 min.
Normal	<3 min.	<7 min.	<28 min.
Draft	<2 min.		

Drive Performance

Sustained transfer	1x CD = 150 KB/s (data mode 1); 1X DVD = 1353 KB/s
Burst transfer rate	33 MB/s
Access time	160 ms avg random access (CD-ROM, DVD-ROM)
Disc finalization time	DVD: <2 minutes at 4X (DVD+R single-layer disc); CD: <1 minute typical
Spin up time	6 Seconds
RIP speed	Extract a 4-minute audio track in less than 15 seconds, 16x minimum
Mean time between failures (MTBF)	70,000 POH at 25°C;
Reliability	Audio, Data Mode 2, and Mode 2 Form 2: < 1 uncorrectable frame in 109 bits read; Data Mode 1 and Mode 2 Form 1: < 1 uncorrected frame in 1012 bits read

Included software

Software	Features
ArcSoft ShowBizDVD 2	Video capture, editing and authoring
Sonic RecordNow	Create music and data discs
Cyberlink PowerDVD	DVD playback
Surething	LightScribe labeling software

Media compatibility

Write	Read
DVD+RW DVD-R DVD-RW	DVD-ROM DVD+R DL DVD+R / DVD+RW DVD-R / DVD-RW DVD-Video
CD-RCD-RW	CD-R / CD-RW CD-DA CD Extra CD-ROM (Mode 1 - Yellow Book) CD-ROM XA & CD-I (Mode 2 / Form 2 - Green Book)CD-Bridge & Photo-CD (single and multi-session) CD-Video CD-Text

Regulatory

Safety: IEC 950 compliant; USA – UL, CDRH Radiation Control Standards 21; CFR 1010 and 1020-1 0.50; Canada – CSA or CUL; Europe – LVD 73/23/EEC 93/68/EC; IEC 60950 plus amendments, EN60825 plus amendments, EMCD 89/336/EEC plus amendments

Environment

Operating temperature	5° to 45° C (41° to 113° F)
-----------------------	-----------------------------

Storage temperature	-30° to 60° C (-22° to 140° F)
Transportation temperature	-30° to 60° C (-22° to 140° F)
Operating humidity	10%-80% RH
Storage humidity	10%-95% RH
Operating shock	1G, 11 ms 1/2 sine (Write) (DVD); 2G, 11 ms 1/2 sine (Write) (CD)
Non-operating shock	50G 11 ms 1/2 sine, power off, without disc
Operating vibration	0.2G RMS
Non-operating vibration	2G RMS
Acoustics	55 dB @ 50 cm distance (reading unbalanced media)

Standards and formats

Type	Format / Standard
Video Standards	NTSC, PAL
Video Formats	MPEG-1, MPEG-2, QuickTime, WMV (WMV requires Media Player 9)
Write Methods	Track at once, Disc at once, (CD-RW and CD-R) Random Access Write (DVD+RW), Sequential Write (DVD+R/+RW/+R DL), Multi-session (DVD+R/+R DL) Incremental (DVD-R/-RW), Multi-Border (DVD-R/-RW), Restricted overwrite (DVD-RW)
Logical Recording Formats	UDF, ISO 9660, CD-DA, DVD Video, VCD
Encoding Method	EFM, EFM Plus
Audio Formats	WAV, MP3, WMA

Items included in the box

Item
HP dvd640e DVD Writer drive
Software Installation Discs
Quick Start Guide
Getting Help Guide
USB 2.0 Cable
1394 Cable

Item
Power supply

Warranty information 

HP Product	Duration of limited warranty
Hardware	One Year