

HP dvd840i Super Multi DVD Writer

Datasheet

High-speed internal drive with DVD±R/±RW and DVD-RAM read/write, ±R double-layer capability, and LightScribe direct disc labeling



HP's super multi drive offers high speeds, double-layer DVD¹, and the fastest LightScribe labeling available². It lets users easily preserve, edit and share up to 8.5 GB of video, photos, and multimedia presentations on one double-layer disc – and quickly store, back up and transport files on DVDs and CDs. The dvd840i records double-layer DVDs at up to 8X, recordable DVDs at up to 16X, rewritable DVDs at up to 8X, and DVD-RAM at up to 5X.

LightScribe is the innovative new disc-labeling system that gives CDs and DVDs a neat, professional look without ink, pens, or paper labels. With LightScribe, you simply burn your data, flip the disc over, and burn a precise, silkscreen-like label directly onto your LightScribe CD or DVD.



Compatible and versatile

- Record to all major formats on one drive: ±R/±RW, DVD-RAM, CD-R/RW, and LightScribe.
- Enjoy excellent playback compatibility on DVD drives and players.
- Record hours of video onto DVD with your PC, then play it back in your living room.
- Record and back up critical files on DVD-RAM.

The hottest technologies

- Get the latest optical storage features in the HP dvd840i.
- Burn discs at high speeds.
- Record to single- or double-layer DVDs, and now to DVD-RAM.
- Burn labels directly to disc with the latest, fastest LightScribe technology².

LightScribe direct disc labeling

- LightScribe is artistic: Create beautiful labels and burn them directly to your LightScribe discs.
- LightScribe is easy: Just burn your CD or DVD, then flip the disc over and burn a label.
- LightScribe can't peel off, get stuck, or cause disc damage the way paper labels can.
- LightScribe direct disc labeling means no pens, no ink, no printer and no sticky labels.

Creative, fun and robust

- Full software suite included—edit video, organize photos, create slideshows, back up music and data, create personalized label designs, and more.
- Surprise your family and friends with slideshows and home movies, digitally preserved on DVD or CD, beautifully labeled with your own personal touch and ready for playback.
- Rely on HP's high-quality testing standards for compatibility and quality results.

¹Also compatible with single-layer DVDs. Storing 8.5 GB on one DVD requires double-layer media, sold separately.

²LightScribe labeling requires LightScribe media.



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Key Specifications

Drive Performance

- **Write speed:**
DVD+R up to 16X (CAV); DVD+RW up to 8X (ZCLV); DVD-R up to 16X (CAV); DVD-RW up to 6X (ZCLV); DVD+R Double Layer up to 8X (ZCLV); DVD-R Dual Layer up to 4X (CLV); DVD-RAM up to 5X (PCAV); CD-R up to 48x (CAV); CD-RW up to 32x (ZCAV)

- **Read Speed:**
DVD-ROM up to 16X (CAV); CD-ROM up to 40x (CAV)

- **LightScribe CD labeling approximate times:**

Setting	Title only	Title & content	Full label (w/ graphics)
Best	< 4 min.	< 9 min.	< 29 min.
Normal	< 3 min.	< 7 min.	< 24 min.
Draft	< 2 min.	< 4 min.	< 18 min.

- **Sustained transfer:**
1x CD = 150 KB/s (data mode 1); 1X DVD = 1350 KB/s
- **Burst transfer rate:** 33 MB/s max
- **Access time:** DVD-ROM (SL) 140 ms; DVD-ROM (DL) 175 ms; DVD-RAM 250 ms; CD-ROM 160 ms (typical)
- **Disc finalization time:** DVD <2 minutes at 4X (DVD+R single-layer disc); CD <1 minute typical
- **Mean time between failures (MTBF):** 100,000 POH at 20% duty cycle in room temp

Environment

- Operating temperature: 5° to 45° C (41° to 113° F)
- Storage temperature: -30° to 60° C (-22° to 140° F)
- Operating humidity: 10%~80% RH (Non-condensing)
- Storage humidity: 10%~90% RH (Non-condensing)
- Power requirement: +5V±5%; +12V±10%

System Requirements

- Minimum system requirements: 800 MHz Intel® Pentium® III processor or equivalent, 1.6 GHz Intel® Pentium® IV processor or equivalent recommended (Actual drive performance depends on PC configuration)
- 128 MB RAM (256 MB RAM recommended for video editing)
- 1024 x 768 video resolution with a minimum of 16-bit color required for DVD authoring and editing
- Video capture: IEEE 1394 interface or analog video capture device required
- Minimum hard disk space requirements: 1 GB free for included software installation, 10 GB free for DVD video disc creation (18 GB free for double layer). Internet connectivity recommended for software updates
- Operating system compatibility: Microsoft Windows XP/2000 Professional SP4, Windows Professional x64 edition, and Windows Server 2003

Compatibility

- Device write media compatibility: CD-R, CD-RW, DVD+R, DVD+R DL, DVD+RW, DVD-R, DVD-R DL, DVD-RW, LightScribe CD-R, LightScribe DVD+R, 4.7 GB single-sided/9.4 GB double-sided DVD-RAM (2.6 GB single-sided/5.2 GB double-sided media not supported)
- Device read media compatibility: DVD-ROM, DVD+R, DVD+R DL, DVD+RW, DVD-R, DVD-R DL, DVD-RW, DVD-Video, 4.7 GB single-sided/9.4 GB double-sided DVD-RAM (2.6 GB single-sided/5.2 GB double-sided media not supported), CD-R, CD-RW, CD-DA, CD Extra, CD-ROM (Mode 1 - Yellow Book), CD-ROM/XA & CD-I Ready (Mode 2/Form 2 - Green Book), Photo-CD (single and multi-session), VCD, CD-Text

Warranty

- 1-year limited hardware and software warranty from date of purchase

Contents

Box contents

- Internal dvd840i drive with DVD±R/±RW and DVD-RAM read/write, ±R double-layer capability, and LightScribe direct disc labeling
- Software CD including electronic user's guide
- Quick-Start placemat
- Getting Help guide
- Installation screws

Software included

- Nero Software Suite (for DVD authoring, writing, editing and backup)
- SureThing (for LightScribe labeling)
- CyberLink® PowerDVD™ (for DVD playback)

Optional Accessories

CD and DVD recordable media

For best results, use HP DVD and CD recordable & rewritable discs, including double-layer DVDs and LightScribe discs, available from your local vendor.

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