Optical Disc Drive
Internal Blu-ray Writer Datasheet

16X BLU-RAY WRITER

BW-16D1HT

ASUS BW-16D1HT is a powerful and energy-saving Blu-ray writer which is capable of writing from 16X BD format.Its M-Disc compatibility allows consumers store their priceless photos or documents for more than 1,000 years, and along with BDXL Support, the maximum data storage is 128GB in one disc. Suitable for anyone who desires a total storage and data backup solution.

FEATURES

16X Writing speed

Super-fast 16X Blu-Ray writing speed

BDXL Support

Up to 128GB storage in one disc

M-Disc Support

1000-year storage solution

3D Solution *

Immerse into the world of 3D and HD

* Available on PRO packaged only

SPECIFICATIONS

Read Speed

BD-R/ROM: 12X
BD-RE: 8X
BD-R/ROM(DL): 8X
BD-RE(DL): 6X
BD-R(TL/QL): 6X
BD-R (LTH): 6X
BD-RE(TL): 4X
BDMV(AACS Compliant Disc) (SL/DL): 12X / 8X
DVD±R: 16X
DVD±RW: 12X
DVD-ROM: 16X
DVD±R(DL): 12X
DVD+R SL(M-DISC): 12X
DVD-ROM(DL): 12X
DVD-RAM: 5X
CD-R/ROM: 48X
CD-RW/DA: 40X
BD-ROM/R/RE playback: 6X
DVD-Video(SL): 12X
DVD-Video(DL): 8X
CD-ROM / R / RW playback: 24X
Audio CD playback: 24X
CD-DA playback: 10xCAV

Write Speed

BD-R:16X
BD-R(DL): 12X
BD-R(TL/QL):6X
BD-R SL(LTH) :6X
BD-RE(SL/DL/TL): 2X
DVD±R: 16X
DVD+R SL(M-DISC):4X
DVD+RW: 8X
DVD-RW: 6X
DVD±R(DL): 8X
DVD-RAM: 5X
CD-R: 48X
CD-RW:24X

Access Time(1/3 Stroke)

BD-ROM:180 ms typ
DVD-ROM :160 ms typ.
DVD-RAM:180 ms typ.
CD-ROM:150 ms typ.

O/S Compatibility

Windows® 8
Windows® 7
Windows® Vista
Windows® XP

System Requirement

- CPU: Intel Pentium® D 945(3.4GHz) or higher
- RAM: 1GB or more is recommended
- HDD: 10GB or more
- Graphics Card: NVIDIA® GeForce 7600GT or ATI X1600 series or above
- Use HDCP Compatible display and VGA card to High Definition digital output

Disc Formats

- Reading:
  BD-R(SL/DL/TL/QL)
  BD-RE(SL/DL/TL)
  BD-ROM(SL/DL)
  DVD±R(SL/DL)
  DVD±RW
  DVD-ROM(SL/DL)
  DVD-RAM
  DVD Video
  CD-R
  CD-RW
  CD-ROM
  Audio CD
  VCD
  CD-I
  CD-Extra
  Photo CD
  CD-text
  CD-ROM/XA
  Multi-session CD
- Writing:
  BD-R(SL/DL/TL/QL)
  BD-RE(SL/DL/TL)
  DVD±R(SL/DL)
  DVD±RW
  DVD-RAM
  CD-R
  CD-RW

Interface

SATA

Disc Diameters

12cm and 8cm

Configurations

Mounting Orientation

Vertical and Horizontal (+12° ~ -12°)

Dimensions

41 x 146 x 170mm (H/W/D)

Weight

750g

Electrical and Environmental Specifications

Power Requirement

DC +5V ± 2.5%
DC +12V ± 3%

Temperature

Operating: 5°C to 40°C
Storage: -20°C to 60°C

Humidity

Operating: 20%~80% (Non-condensing)
Storage: 15%~90% (Non-condensing)

- Specifications are subject to changes without notice. - All other brands and names are properties of their respective owners.

Inspiring Innovation • Persistent Perfection

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PACKAGE CONTENTS

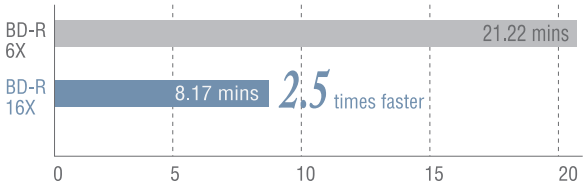
- Cyberlink Power2Go 8 - Cyberlink PowerDVD 10 with Magic Cinema *
- Cyberlink PowerBackup 2.5 * - Cyberlink InstantBurn 5 * - E-Green

* Available on PRO packaged only

16X WRITING SPEED

Super-fast 16X Blu-Ray writing speed

With the fastest 16X, it only takes 8 mins to back up 25GB of data

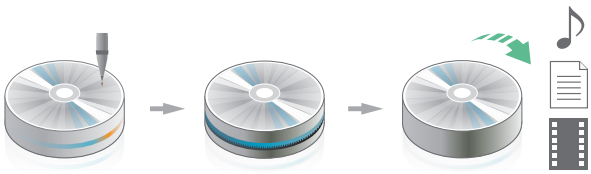


Writing Speed Comparison
* Writing Time for a 25GB BD-R(SL) disk

M-DISC SUPPORT

1000-year Storage Solution

Save your priceless memories or data for up to 1,000 years

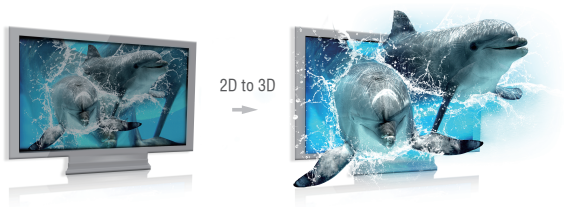


Burn your data with M-DISC | Engrave on a Rock-like layer | Store for up to 1,000 years

MAGIC CINEMA TECHNOLOGY *

Total 3D Support

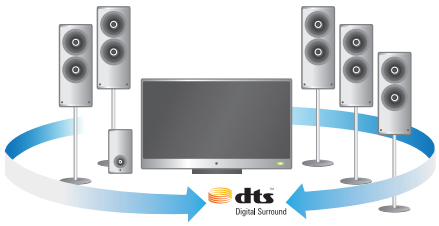
- Eye-Popping Blu-ray 3D™ video & 3D photo
- Transform 2D video/photo into 3D



MAGIC CINEMA TECHNOLOGY *

Refresh Your Listening Experience

Dolby Digital EX & DTS-HD audio (5.1 channels)



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