ASUS

# ASUS ZenDrive U9M optical disc drive DVD±RW Black

**Brand :** ASUS                    **Product code:** 90DD02A0-M29000
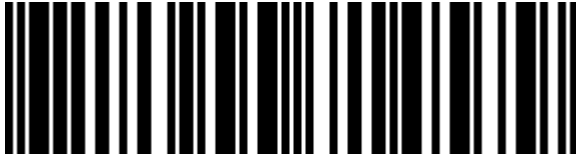
**Product name :** ZenDrive U9M

CD/DVD, 140/160 ms, USB 2.0, 142.5 x 135.5 x 13.9 mm, 245 g, black
ASUS ZenDrive U9M. Product colour: Black, Disc loading type: Tray, Mounting: Horizontal. Purpose:
Notebook, Optical drive type: DVD±RW, Interface: USB 2.0. DVD+R write speed: 8x, CD-R write speed:
24x, CD-RW write speed: 24x. CD-R read speed: 24x, CD-RW read speed: 24x, CD-ROM read speed: 24x.
DVD drive average random access time: 160 ms, CD-ROM drive average random access time: 140 ms

## Design

| | |
|---|---|
| Internal * | ✘ |
| Product colour | Black |
| Disc loading type | Tray |
| Mounting | Horizontal |

## Performance

| | |
|---|---|
| Purpose * | Notebook |
| Optical drive type * | DVD±RW |
| Interface * | USB 2.0 |
| Disc types supported | CD-R, CD-ROM, CD-RW, DVD+R, DVD+R DL, DVD+RW, DVD-R, DVD-R DL, DVD-ROM, DVD-RW |
| Optical disc diameter | 80,120 mm |

## Writing speed

| | |
|---|---|
| CD-R write speed | 24x |
| CD-RW write speed | 24x |
| DVD+R write speed * | 8x |
| DVD-R write speed | 8x |
| DVD-R Double Layer write speed | 6x |
| DVD+R Double Layer write speed | 6x |
| DVD+RW write speed | 8x |
| DVD-RW write speed | 6x |
| DVD+R M-DISC write speed | 4x |

## Reading speed

| | |
|---|---|
| CD-R read speed | 24x |
| CD-RW read speed | 24x |
| CD-ROM read speed | 24x |
| DVD+R read speed | 8x |
| DVD-R read speed | 8x |
| DVD-RW read speed | 8x |
| DVD-R Double Layer read speed | 8x |
| DVD-Video read speed | 4x |
| DVD+R M-DISC read speed | 8x |

## Reading speed

| | |
|---|---|
| DVD+RW read speed | 8x |

## Access time

| | |
|---|---|
| DVD drive average random access time | 160 ms |
| CD-ROM drive average random access time | 140 ms |

## Record modes

| | |
|---|---|
| Track-at-once (TAO) | ✔ |
| Disc-at-once (DAO) | ✔ |
| Session-at-once (SAO) | ✔ |
| Multi session | ✔ |
| Packet writing | ✔ |
| Over-burn writing | ✔ |
| Sequential writing | ✔ |
| Random write | ✔ |
| Restricted overwrite | ✔ |
| Incremental recording | ✔ |

## Reading speed

| | |
|---|---|
| DVD-ROM Double Layer read speed | 8x |
| Video CD read speed | 10x |
| Audio CD read speed | 10x |
| DVD+R Double Layer read speed | 8x |

## System requirements

| | |
|---|---|
| Windows operating systems supported | Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Windows 10 Pro, Windows 10 Pro x64, Windows 7, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64, Windows 8.1, Windows 8.1 Enterprise, Windows 8.1 Enterprise x64, Windows 8.1 Pro, Windows 8.1 Pro x64, Windows Vista, Windows Vista Business, Windows Vista Business x64, Windows Vista Enterprise, Windows Vista Enterprise x64, Windows Vista Home Basic, Windows Vista Home Basic x64, Windows Vista Home Premium, Windows Vista Home Premium x64, Windows Vista Ultimate, Windows Vista Ultimate x64, Windows XP Home, Windows XP Home x64, Windows XP Professional, Windows XP Professional x64 |
| Mac operating systems supported | Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.6 Snow Leopard, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks |

## Operational conditions

| | |
|---|---|
| Operating relative humidity (H-H) | 15 - 80% |
| Operating temperature (T-T) | 5 - 40 °C |
| Storage temperature (T-T) | -30 - 60 °C |
| Storage relative humidity (H-H) | 10 - 90% |

## Weight & dimensions

| | |
|---|---|
| Width | 135.5 mm |
| Depth | 142.5 mm |
| Height | 13.9 mm |
| Weight | 245 g |

## Packaging content

| | |
|---|---|
| Quantity per pack | 1 pc(s) |
| Bundled software | CyberLink Power2Go 8, CyberLink PowerBackup 2.5, Nero BackItUp, E-Green |

## Logistics data

| | |
|---|---|
| Harmonized System (HS) code | 84717030 |

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