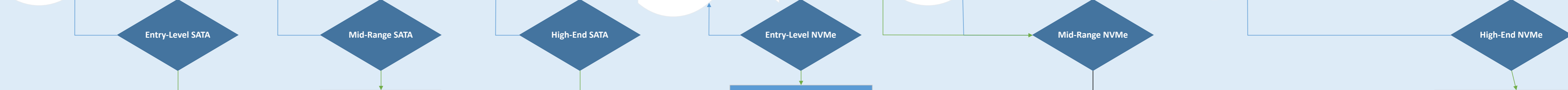
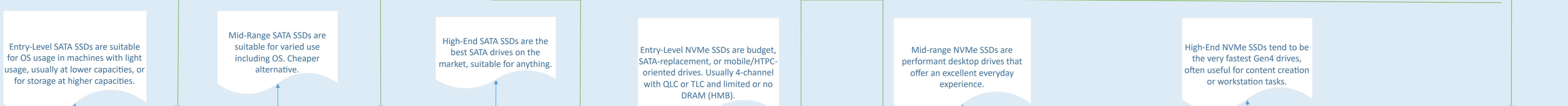


You should choose a SSD based on its intended role.

SSDs tend to get faster from left to right on this guide. Drives on the right are perfectly capable of filling roles to the left but may be sub-optimal in performance profile, cost, etc.

Most popular drives are listed as well as their related hardware configurations. Refer to lists or spreadsheets for further delineation.

Selecting a SSD



- Controllers:
Marvell 88NV1120
Maxio MAS0902A
Phison S11/T
Phison S13/T
Realtek RTS5733
SMI SM2258XT
SMI SM2259XT
- ADATA SU630/SU635
 - ADATA SU650/SU655
 - ADATA SU720/SU740
 - ADATA SU750/SU760
 - Crucial BX500
 - HP S700/M700
 - Hyundai Sapphire
 - Inland SATA
 - Kingston A400/Q500
 - Lexar NS100
 - Mushkin Raw
 - Mushkin Source
 - Patriot Burst
 - Patriot P200
 - PNY CS900
 - PNY CS2311
 - Samsung 860/870 QVO
 - SanDisk SSD Plus
 - SP A55/S55
 - Team AX1/AX2
 - Team CX1/CX2
 - Team EX2
 - Team GX1/GX2
 - Team Vulcan G

- ADATA SU800/SX850
- ADATA SX950U
- Addlink S20
- Gigabyte UD Pro
- HP M700 (MLC)
- HP S700 Pro
- Kingston UV500
- Mushkin Reactor (MLC)
- PNY CS1311
- Seagate BarraCuda
- Team Delta RGB
- Team L5 Lite 3D
- Team Vulcan

- Controllers:
Marvell 88SS1074
Phison S10
SMI SM2258

- Crucial MX500
- Hynix Gold S31
- Intel 545s
- Kingston KC600
- Lexar NS200
- PNY CS2311
- Samsung 860/870 EVO
- SanDisk Ultra 3D
- Seagate BarraCuda 120
- WD Blue 3D

- Controllers:
Marvell 88SS1074
Phison S12
SMI SM2258
SMI SM2259

- ADATA SX6000 Lite/Pro
- ADATA Falcon
- ADATA Swordfish
- ADATA S20G
- Crucial MP400
- Crucial P1/P2
- Crucial P3/P3 Plus
- Gigabyte NVMe
- HP EX900
- HP EX900 Plus
- Inland Professional
- Intel 660p/665p/670p
- Kingston A1000/A2000
- Kingston NV2
- Lexar NM620
- MDSSD SBX/SBXe
- MSI Spatium M390
- Mushkin Helix-L
- Patriot Scorch
- Plextor P300
- Samsung 980 Non-PRO
- Solidigm P41 Plus
- SP P32A80
- SP P34A60
- Team MP32/MP33/Z330
- WD SN500/SN550
- WD SN570/SN580
- WD SN750 SE

- Controllers:
InnoGrit IG5208/IG5216
Realtek RTS5762DL
Realtek RTS5763DL
SMI SM2263/XT
SMI SM2265
Phison E8/E8T
Phison E13T
Phison E15T/E19T
Phison E21T (QLC)

- ADATA S50
 - ADATA ATOM 50/Legend 840
 - ADATA S40G/SX8800
 - ADATA S50 Lite (Gen4)
 - ADATA SX8100/S7
 - ADATA SX8200/S11
 - ADATA SX8200/S11 Pro
 - Addlink S70
 - Addlink S90 Lite
 - Corsair MP510
 - Corsair MP600
 - Crucial P5
 - Gigabyte Aorus (original)
 - HP EX920
 - HP EX950
 - HP FX900
 - (SK) Hynix P31
 - Inland Performance
 - Inland Premium/Platinum
 - Intel 760p
 - Kingston KC2000/KC2500
 - Lexar NM700
 - Lexar NM790
- MDSSD BPX Pro
 - Mushkin Delta
 - Mushkin Pilot
 - Mushkin Pilot-E
 - Patriot VP4100
 - Patriot VPN/VPR100
 - Plextor M9P+
 - PNY CS3030
 - PNY CS4040
 - Sabrent Rocket
 - Sabrent Rocket 4.0
 - Sabrent Rocket Q (2TB+)
 - Samsung 970 EVO Plus
 - Seagate Barra/Fire 510
 - Silicon Power US70
 - SP UD90
 - Team Cardea II/Liquid
 - Team Cardeo Zero/Z440
 - Team MP44L
 - Team MP34/Z340
 - WD SN750
 - WD SN770

- Controllers:
InnoGrit IG5220
Marvell 88SS1092
Phison E12/E12S
Phison E16
Phison E21T (TLC)
Realtek RTS5762
SMI SM2262/EN
SMI SM2267
SMI SM2269XT (TLC)

- Acer GM7000
- ADATA Legend 960/Max
- ADATA S70/Blade
- Aorus 10000 (Gen5)
- Corsair MP600 Pro/Pro XT/LPX
- Corsair MP700 (Gen5)
- Crucial P5 Plus
- Crucial T700 (Gen5)
- Gigabyte Aorus 10/12K (Gen5)
- Inland Perf. Plus/GPP
- Inland TD510 (Gen5)
- Kingston KC3000/Fury
- HP FX900 Pro
- MSI M570/570 Pro (Gen5)
- Mushkin Gamma
- Netac NV7000
- Patriot VP4300
- Plextor M10P(GN)
- Sabrent Rocket 4.0 Plus/Plus-G
- Sabrent Rocket X5 (Gen5)
- Samsung 980/990 PRO
- Seagate FireCuda 520/530
- Seagate FireCuda 540 (Gen5)
- SK hynix Plat. P41
- Solidigm P44 Pro
- Team Cardea A440/Pro/SE
- Team Z540 (Gen5)
- Team Z54A (Gen5)
- WD SN850/SN850X/SN850P

- Controllers:
InnoGrit IG5236
InnoGrit IG5666
Phison E18
Phison E26
SMI SM2264