

Ryzen-3000-moederborden met B550-chipset

Fabrikant, model	Asrock B550M Steel Legend	Asus TUF Gaming B550M-Plus (WI-FI)	Gigabyte B550I Aorus Pro AX	MSI MAG B550M Mortar
Cpu-socket / chipset	AM4 / B550	AM4 / B550	AM4 / B550	AM4 / B550
Formaat (afmetingen)	micro-ATX (24,5 cm × 24,5 cm)	micro-ATX (24,5 cm × 24,5 cm)	mini-ITX (17 cm × 17 cm)	micro-ATX (24,5 cm × 24,5 cm)
Chipset-SATA-6G	6	4	4	6
LAN-chip(s) (eigenschappen)	RTL8125BG (PCIe, 2,5 Gbit/s)	RTL8125B (PCIe, 2,5 Gbit/s)	RTL8125B (PCIe, 2,5 Gbit/s)	RTL8125B (PCIe, 2,5 Gbit/s)
Wifi-chip(s) (eigenschappen)	—	AX200 (PCIe, 802.11ax, 2,4 Gbit/s)	AX200 (PCIe, 802.11ax, 2,4 Gbit/s)	—
Audio-chip (eigenschappen)	RTL1200 (HDA)	RTL1200 (HDA)	RTL1220-VB (HDA)	RTL1200 (HDA)
Usb-chip (eigenschappen)	ASM1074 (hub, 4 × USB 3.0)	—	—	—
Foutopsporing / speaker	4 leds / —	4 leds / —	— / —	4 leds / —
Geheugenslots / max. RAM	4 / 128 GB	4 / 128 GB	2 / 64 GB	4 / 128 GB
Uitbreidingslots	2 × PEG (1 × PCIe 4.0 x16, 1 × PCIe 3.0 x4), 1 × PCIe 3.0 x1	2 × PEG (1 × PCIe 4.0 x16, 1 × PCIe 3.0 x4), 1 × PCIe 3.0 x1	1 × PEG (1 × PCIe 4.0 x16)	2 × PEG (1 × PCIe 4.0 x16, 1 × PCIe 3.0 x4), 2 × PCIe 3.0 x1
M.2-slots (interface)	1 × 2230 (PCIe 3.0 x1), 2 × 2280 (1 × PCIe 4.0 x4, 1 × PCIe 3.0 x2)	1 × 22110/80/60/42 (PCIe 3.0 x4), 1 × 2280/60/42 (PCIe 4.0 x4)	2 × 2280/60 (1 × PCIe 4.0 x4, 1 × PCIe 3.0 x4)	2 × 2280/60/42 (1 × PCIe 4.0 x4, 1 × PCIe 3.0 x4)
Interne aansluitingen	6 × SATA 6G, 2 × USB 3.0 Type-A ¹ , 2 × USB 2.0 ¹ , 1 × HD-audio, 4 × RGB-led, TPM	4 × SATA 6G, 1 × USB 3.0 Type-A ¹ , 2 × USB 2.0 ¹ , 1 × RS-232, 1 × HD-audio, 3 × RGB-led	4 × SATA 6G, 1 × USB 3.0 Type-A ¹ , 1 × USB 2.0 ¹ , 1 × HD-audio, 2 × RGB-led, TPM	6 × SATA 6G, 1 × USB 3.0 Type-A ¹ , 1 × USB 3.2 Type-C, 2 × USB 2.0 ¹ , 1 × HD-audio, 3 × RGB-led, TPM
Fanheaders	2 × CPU (4-pin), 4 × behuizing (4-pin)	2 × CPU (4-pin), 2 × behuizing (4-pin)	1 × CPU (4-pin), 2 × behuizing (4-pin)	1 × CPU (4-pin), 1 × waterkoeling (4-pin), 3 × behuizing (4-pin)
ATX-slotplaat	1 × HDMI 2.0, 1 × DisplayPort 1.4, 5 × analoge audio, 1 × S/PDIF-out optisch, 1 × USB-A (10 Gbit/s), 1 × USB-C (10 Gbit/s), 4 × USB-A (5 Gbit/s), 2 × USB 2.0, 1 × LAN, 1 × PS/2	1 × HDMI 2.0, 1 × DisplayPort 1.4, 5 × analoge audio, 1 × S/PDIF-out optisch, 1 × USB-A (10 Gbit/s), 1 × USB-C (10 Gbit/s), 4 × USB-A (5 Gbit/s), 2 × USB 2.0, 1 × LAN, 1 × PS/2	2 × HDMI 2.0, 1 × DisplayPort 1.4, 3 × analoge audio, 1 × USB-A (10 Gbit/s), 1 × USB-C (10 Gbit/s), 4 × USB-A (5 Gbit/s), 1 × LAN	1 × HDMI 2.0, 1 × DisplayPort 1.4, 5 × analoge audio, 1 × S/PDIF-out optisch, 3 × USB-A (10 Gbit/s), 1 × USB-C (10 Gbit/s), 2 × USB 2.0, 1 × LAN
Meegeleverd	2 × SATA-kabel, driver-dvd	2 × SATA-kabel, I/O-shield, driver-dvd, wifi-antenne	2 × SATA-kabel, driver-dvd, wifi-antenne	2 × SATA-kabel, driver-dvd
Energieverbruik en overdrachtssnelheden				
Soft-off (met ErP) / spaarstand / idle / belast	3,7 W (0,3 W) / 3,9 W / 29 W / 192 W	1,4 W (0,4 W) / 1,8 W / 29 W / 184 W	1,3 W (0,2 W) / 1,6 W / 28 W / 176 W	1,1 W (0,3 W) / 1,9 W / 26 W / 174 W
USB (10 Gbit/s) / USB (5 Gbit/s): lezen (schrijven)	1090 (1090) / 436 (417) MByte/s	981 (1021) / 443 (421) MByte/s	980 (1021) / 443 (420) MByte/s	1034 (967) / 467 (467) MByte/s
LAN: ontvangen (versturen)	296 (298) MB/s	297 (298) MB/s	297 (298) MB/s	297 (298) MB/s
Wifi 5 GHz / 2,4 GHz (20 m)	—	237 / 105 Mbit/s	256 / 174 Mbit/s	—
Funcities				
Secure-boot uit- / CSM inschakelbaar	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Wake on LAN: stand-by / soft-off	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
USB: 5V in soft-off / wekken via usb-toetsen vanuit: stand-by (soft-off)	✓ / ✓ (— ²)	✓ / ✓ (— ²)	✓ / ✓ (— ²)	✓ / ✓ (— ²)
Boottijd tot aanmeldscherm	18 s	13 s	15 s	16 s
Analoog meerkanaals (type) / 2e audiostream	✓ (7.1) / ✓ ²	✓ (7.1) / ✓	✓ (7.1) / ✓	✓ (7.1) / ✓
Analoog audio: weergave / opname	⊕⊕ / ○	⊕⊕ / ○	⊕⊕ / ⊖	⊕⊕ / ○
Ventilatorregeling: cpu-fan / casefan 3-pin / 4-pin	0 ... 100 % / 0 ... 12 V / 0 ... 100 %	20 ... 100 % / 8,2 ... 12 V / 20 ... 100 %	0 ... 100 % / 1,6 ... 12 V / 0 ... 100 %	0 ... 100 % / 0 ... 12 V / 0 ... 100 %
Prijs / garantie	€ 145 / 36 maanden	€ 155 / 36 maanden	€ 190 / 36 maanden	€ 150 / 36 maanden
¹ steeds twee poorten per hub ² werkt niet ✓ beschikbaar — niet aanwezig ⊕⊕ zeer goed ⊕ goed ○ voldoende ⊖ slecht ⊖⊖ zeer slecht				