Machines

Cassandra

Original purchase 02.2024, serving as Laptop on Windows 11 Professional.

- CPU: Intel Core i7-1370H (14 cores (6P+8E) - 20 threads)
- System Memory: 64GB (2 x 32GB, LPDDR5-7500 @ 6000MHz, quad channel)
- Motherboard: LENOVO
- Graphics: Intel Iris Xe Graphics
- System Drive: Samsung SSD 970 EVO Plus 2TB (from Vulcan)
- Display: Lenovo 14“ (2880 x 1800, 60Hz, OLED)

PassMark Rating

Hera

Original purchase 02.2024, serving as Laptop for May (Bethico) on Windows 11 Home Single Language.

- CPU: Intel Core i7-12700H (14 cores (6P+8E) - 20 threads)
- System Memory: 16GB (2 x 8GB, DDR5 SODIMM 4800MHz, dual channel)
- Motherboard: ASUS
- Graphics: Intel Iris Xe Graphics
- System Drive: EM 512GB
- Display: ASUS 16” (1920 x 1200, 60Hz, IPS)

Vulcan

Original purchase 01.2019, serving as Laptop on Windows 10 Home Single Language.

- CPU: Intel Core i7-8750H (6 cores - 12 threads)
- System Memory: 32GB (2 x 16GB, DDR4 SODIMM 2666MHz, dual channel), Kingston HyperX
- Motherboard: Lenovo
- Graphics: Intel HD Graphics 630 + nVidia GeForce 1050GTX

- System Drive: Samsung SSD 970 EVO Plus 2TB
- Display: Lenovo 15.6“ (1920 x 1080, 60Hz, IPS)
- Special keys: CTRL-SHIFT-1 (toggle Cooling Boost)

Hercules

Original purchase 02.2018, serving as Hua Hin Desktop on Windows 10 Professional.

- CPU: AMD Threadripper 1950x (16 cores - 32 threads)
- Cooler Noctua NH U14S TR4-SP3)
- System Memory: 64GB (4 x 16GB, quad channel, Corsair Vengeance LED 64GB (4 x 16GB) DDR4 3000MHz C15 (CMU64GX4M4C3000C15R))
- Motherboard: AsRock Fata1ty X399 Gaming
- Graphics: ASUS nVidia GX980
- Capture: Blackmagic Design Intensity Pro 4K
- System Drive: SATA 256GB Samsung 850 pro
- Data Drive: NVMe 512GB Samsung 960 pro, NVMe 960GB Corsair MP510
- Optical Drive: Pioneer BDXL (Bluray), ASUS
- PSU: Corsair HX850i
- Case: Thermaltake Suppressor F51
- Monitor: BenQ PD3200U 4K (3840 x 2160) 32” designer monitor, ASUS MG278Q WQHD (2560×1440) 27“ gaming monitor
- BIOS v1.30: released 2017/08/09, original
- BIOS v3.80: released 2020/01/08, installed 2020/10/29, after upgrade to Bridge BIOS 2.10

Olympus

Original purchase 03.2019, serving as new Hua Hin File and Web Server on Debian 9 Stretch.

- CPU: AMD Ryzen 7 2700x (8 cores - 16 threads)
- Cooler Be Quiet! Dark Rock 4
- System Memory: 32GB (2 x 16GB, dual channel, Kingston HyperX Fury Black 32GB (2 x 16GB) DDR4 2666MHz CL16 (HX426C16FBK2/32))
- Motherboard: AsRock X470 Taichi Ultimate
- Graphics: Gigabyte nVidia GTX1050Ti
- Capture: Blackmagic Design Intensity Pro 4K
- System Drive: 2 x Transcend NVMe 128GB

- Data Drive: 3 x HGST Ultrastar 4TB in Raid5
- PSU: Corsair RM750x
- Case: Thermaltake Suppressor F51

Epione

CPU, Cooler, Motherboard, Memory purchase 12.2019, serving as Hua Hin Backup Server on Debian 11. Hardware and Software upgraded from Ixion.

- CPU: AMD Ryzen 5 3400G (4 cores - 8 threads)
- Cooler: Alpenföhn Ben Nevis
- System Memory: 16GB (2 x 8GB, Kingston Fury Beast DDR4-3200, dual channel)
- Motherboard: AsRock X570 Phantom Gaming
- Graphics: embedded
- System Drive: 2x SATA 120GB Samsung 840 EVO
- Data Drive: 2 x HGST Ultrastar 10TB in Raid1
- PSU: Be Quiet! Pure Power 11 CM
- Case: Thermaltake Suppressor F51

Hestia

Original purchase 09.2015, now serving as Flims Server on Debian 9 Stretch.

- CPU: Intel Core i7-6700 (4 cores - 8 threads)
- System Memory: 32GB (4 x 8GB, dual channel, G.Skill F4-2400C15-8GRB)
- Mother Board ASUS Z170-K
- Intel HD Graphics 530 on board (Passmark tested with Gigabyte nVidia GTX1050Ti)
- System Drive: Transcend NVMe 128GB (Passmark tested with Samsung 950 pro NVMe 512GB)
- PSU Corsair VS550
- Case Thermaltake Suppressor F51
- ASUS MG278Q (2560 x 1440) 27” monitor

Poseidon

Original purchase 08.2008, now serving as Prachin Buri desktop on Windows 10 Professional.

- CPU Intel Core2 Extreme QX9650 (4 cores - 4 threads)
- System Memory: 8GB (4 x 2GB, DDR3, dual channel)
- Motherboard: ASUS P5Q3 Deluxe
- Graphics: Gigabyte nVidia GTX1050ti
- System Drive: SATA 120GB Samsung 840 EVO
- Zalman psu
- Fractal Design Define R6 Black case
- Dell U3011 (2560×1600) 30“ monitor

Iapetus

CPU, Motherboard purchase 01.2023, serving as Flims desktop on Windows 10 Home Single Language.

- CPU: AMD Ryzen5 4600G (6 cores - 12 threads)
- Cooler: AMD Wraith Prism (unused from Olympus)
- System Memory: 16GB (2 x 8GB, Corsair Vengeance LPX DDR4-3200, dual channel) purchase 12.2019
- Motherboard: Asrock B550m Pro4
- Graphics: embedded
- System Drive: NVMe 512GB Samsung 950 PRO [Hestia - purchased 09.2015]
- PSU: Zalman [Ixion - purchased 06.2006]
- Case: Fractal Design [Ixion - purchased 06.2006]
- Monitor: AOC (1920×1080) 24”

Venus

Retired
Original purchase 12.2016, now serving as laptop on Windows 10 Home Single Language.

- CPU: Intel Core i7-7500U (2 cores - 4 threads)
- System Memory: 16GB (2 x 8GB, DDR4 SODIMM 2133MHz, dual channel)

- Motherboard: Dell 0TGXC1
- Graphics: Intel HD Graphics 620 + nVidia GeForce 940MX
- System Drive: Intel SATA 128GB (M2.2280 Intel IM2S3138E-128GM-B)
- Data Drive: Sandisk SATA 250GB (SDSSDA240G)
- Display: Dell 14“ (1920 x 1080)

Ixion

Retired
Original purchase 06.2006, now serving as Hua Hin Backup Server on Debian 10.

- CPU: AMD Phenom II X4 940 (4 cores - 4 threads)
- Cooler: Thermalright Macho Rev. A (BW) [Apollo]
- System Memory: 8GB (4 x 2GB, DDR2, dual channel)
- Motherboard: ASUS M2N32-SLI Deluxe
- Graphics: AMD Radeon 5450 fanless
- System Drive: 2x SATA 120GB Samsung 840 EVO
- Data Drive: 3 x HGST Ultrastar 4TB in Raid5
- PSU: Be Quiet! Pure Power 11 CM
- Case: Thermaltake Suppressor F51

Apollo

Retired
Original purchase 01.2014, serving as main server on Debian 7.

- CPU: XEON E5-2640 hexa-core, 2.5GHz
- Cooler: Thermalright Macho Rev. A
- System Memory: 32GB DDR3 1600 REG/ECC System Memory
- Motherboard: SuperMicro X9SRA
- Graphics: Zalman ATI 5450 fanless
- Optical drive: LG 16x Blue-Ray / DVD Writer (BH16NS40)
- MD0: 2 x Samsung SSD 840 120GB (/)
- MD1: 2 x HGST HUS724040ALA640 - 4TB (vg_data)
- MD2: 2 x HGST HUS724040ALA640 - 4TB (vg_data)
- MD3: 2 x HGST HUS724040ALA640 - 4TB (vg_backup)
- LAN: 2 x 1GBit LAN on MB

- Case: Fractal Design ARC Midi Tower
- Power: Seasonic Platinum 660W (SS-660XP Active PFC F3)

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