

ACE MUSTANG W650R BUYING GUIDE WITH UPGRADES

DESCRIPTION	
15.6" FHD/144Hz/WVA/72% NTSC/Matte Display with NVIDIA G-Sync Technology , i5-9600K (3.7 GHz) , NVIDIA GeForce RTX 2060 w/6GB GDDR6, 16GB DDR4 2400 SDRAM (1x16G) , Western Digital Blue SN500 M.2 500GB NVMe SSD, Integrated 2M FHD Digital Video Camera, Finger Print Reader, Killer Dual Band Wireless -AC N1550 M.2 AC + BT Combo Card, Killer E2400 Ethernet , Full Color Backlit Keyboard and MS Windows 10 Home, 3 Year Warranty	\$2,376.00

** 17.3" FHD/144Hz/WVA/72% NTSC/Matte/G-Sync ==> 17.3" 4K QFHD/Matte/G-Sync +\$235

** Killer Dual Band Wireless-AC N1550 M.2 AC + BT Combo Card ==> Intel Dual Band Wireless -AC 9260 M.2 AC + BT Combo Card +\$25

** NVIDIA GeForce RTX 2060 w/6GB GDDR6 ==> NVIDIA GeForce RTX 2070 w/8GB GDDR6 +\$325
 ==> NVIDIA GeForce RTX 2080 w/8GB GDDR6 +\$840

SYSTEM CPU UPGRADE		M.2 SSD (Slot 1) UPGRADE		HARD DISK DRIVE UPGRADE	
CORE i5-9600K 3.7 GHz	Standard	WD Blue M.2 1TB	\$ 97.00	w/o HDD	Standard
CORE i7-9700K 3.6 GHz	\$ 185.00	WD Blue M.2 2TB	\$ 227.00	1TB (7200rpm)	\$ 78.00
CORE i9-9900K 3.6 GHz	\$ 255.00	Samsung 860EVO M.2 1TB	\$ 123.00	1TB (FireCuda SSHD)	\$ 87.00
		Samsung 860EVO M.2 2TB	\$ 308.00	2TB (FireCuda SSHD)	\$ 128.00
SYSTEM MEMORY UPGRADE		WD Blue SN500 NVMe 500GB	Standard	WD Blue SSD 250GB	\$ 65.00
16GB DDR4 2400 (1x16GB)	Standard	WD Black SN750 NVMe 250GB	\$ 9.00	WD Blue SSD 500GB	\$ 96.00
16GB DDR4 2400 (2x8GB)	\$ 29.00	WD Black SN750 NVMe 500GB	\$ 69.00	WD Blue SSD 1TB	\$ 164.00
32GB DDR4 2400 (2x16GB)	\$ 123.00	WD Black SN750 NVMe 1TB	\$ 186.00	WD Blue SSD 2TB	\$ 303.00
64GB DDR4 2400 (4x16GB)	\$ 330.00	Samsung 970Evo Plus NVMe 250GB	\$ 29.00	Samsung 860 Evo SSD 4TB	\$ 727.00
16GB DDR4 3000 (1x16GB)	\$ 65.00	Samsung 970Evo Plus NVMe 500GB	\$ 78.00	Samsung 860 Pro SSD 1TB	\$ 339.00
32GB DDR4 3000 (2x16GB)	\$ 173.00	Samsung 970Evo Plus NVMe 1TB	\$ 218.00	Samsung 860 Pro SSD 2TB	\$ 591.00
64GB DDR4 3000 (4x16GB)	\$ 616.00	Samsung 970Evo Plus NVMe 2TB	\$ 533.00	Samsung 860 Pro SSD 4TB	\$ 1,100.00
128GB DDR4 2666 (4 x 32GB)	\$ 745.00	Samsung 970Pro NVMe 512GB	\$ 129.00		
		Samsung 970Pro NVMe 1TB	\$ 327.00		
OS UPGRADE OPTIONS GSA/SEWP V		Cases		Screen Upgrades GSA/SEWP V	
Win 10 Home*	Standard	Messenger Type Bag	Standard	30 Days No Dead Pixel	\$ 45.00
Win 10 Pro*	\$ 50.00	Backpack style	\$ 30.00	Screen Calibration (OS Req)	\$ 45.00
Win 10 USB Recovery	\$ 30.00	Rolling Style	\$ 79.00	90 Days no dead pixel	\$ 85.00

* listed prices are in ADDITION to the system price. These are not stand alone prices.

* 4 HDD capable (coexisting of 2x M.2 SSD (2x PCIe (Gen3 X4) or SATA3 & 2x 9.5mm 2.5" SSD/HDD))

* RAID: RAID 0/1 capability with matching SATA or NVMe, RAID Capable drives only, (WD Black Drives is not RAID Capable).

* No Recovery Media included for windows 10.

Power Accessories - Can be ordered as spare parts or with a system

ITEM	DESCRIPTION	GSA/SEWP	RETAIL
ACA-9176	NP9176 330W AC ADAPTER WITH POWER CORD	\$ 155.00	\$ 195.00
BAT-9176	NP9176 SMART Lithium-Ion BATTERY PACK (8 CELLS 82 WH)	\$ 129.00	\$ 175.00

** ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE **

ACE MUSTANG W650R DETAILED SPECIFICATIONS

Special Feature(s):	World's first 15.6-inch Coffee Lake LGA1151 CPU- and MXM 3.1 GPU- upgradeable laptop based on Intel Z370 Chipset
Main Chipset:	Intel Z370 (Coffee Lake)
Processor:	Socket LGA 1151 Coffee Lake-S CPUs up to i9-9900K / 8700K
Video / GPU:	Modular MXM 3.1; 100x124mm; up to 190W NVIDIA GeForce: GTX 1080, 1070, 1060 NVIDIA GeForce: RTX 2080, 2070, 2060
Built-in PC Camera:	Built-in 2M FHD
LCD Size:	15.6in / 39.6cm
LCD Specifications:	FHD (1920x1080); 60Hz/120Hz/144Hz UHD 4K (3840x2160); 60Hz up to 4 active displays; up to 4K @ 60Hz G-Sync optional
Memory:	Four 260-pin 1.2V SODIMM sockets; DDR4-2133/2400/2666/3000; up to 128GB; non-ECC
Total Storage:	up to 4 physical drives: - 2x M.2 2280 SSD PCIe 2x/4x NVMe or SATA - 2x 2.5" 9.5mm/7mm HDD/SSD/SHDD - RAID 0/1 - supports Intel Optane technology
Optical Drive:	External; USB based DVD-RW or Blu Ray-RW
Card Reader:	6-in-1 Push-Push Card Reader MMC/RSMHC SD/mini SD/SDHC/SDXC UHS-II
Audio Architecture:	High Definition Audio; Realtek ALC892 S/PDIF Digital Output Built in microphone Built in two 2W speakers 7.1CH output (headphone, mic, line-in and S/PDIF) ESS Sabre ES9018K2M HiFi Audio DAC (headphone) Sound Blaster X Pro-Gaming 360°
LAN/WLAN/Bluetooth:	- 1Gb Ethernet LAN on-board; Killer E2500 - WLAN / Bluetooth; M.2 2230 slot' supports 1Gbit WLAN - prewired for 3G/4G/LTE (built-in antenna and SIM socket)
Security:	Kensington Lock Fingerprint TPM 2.0 on-board (Infineon SLB9665-TCG)
Internal cards / # of slots/Type:	Four M.2 slots -1st: WLAN M.2 2230 Card with PCIe x2 -2nd for SSD M.2 2280 Card with SATA / PCIe x2/x4 NVMe / Optane -3rd for SSD M.2 2280 Card with SATA / PCIe x2/x4 NVMe -4th M.2 3042 for LTE or UMTS/HSPA
I/O Ports:	1 x Thunderbolt3 (USB 3.1C) 1 x USB 3.1C 3 x USB 3.1 (1x powered, AC/DC) 1 x USB 2.0 2 x mini DisplayPort 1.3 1 x HDMI 2.0 output 1 x 2-in-1 Audio Jack (Headphone / S/PDIF) 1 x Microphone-in 1 x Line-out 1 x Line-in 1 x RJ-45 LAN 1 x DC-in
Internal Keyboard:	Backlit (7-colours) full size keyboard with numeric pad TouchPad with multi-gesture and scrolling W/A/S/D Gaming key
AC Adapter:	330W 100-240V 50-60Hz Auto-switching
Battery:	8cells Smart Li-Ion; 82WH up to 130 minutes
Weight:	3.4kg/ 7.48 lbs
Dimensions WxDxH:	386x262x38mm; 15.44x10.48x1.52-inch
Thickness:	1.52in / 38mm
Shipping / Packaging L xWx H / N.W. / G.W.:	547x112x319mm / 21.88x4.48x12.76 inch 5.48kg / 12lbs