**FOR GSA / SEWP V Use**

**ACE MUSTANG W640SR BUYING GUIDE WITH UPGRADES**

**DESCRIPTION**

15.6" FHD NTSC/Matte Display with Intel® Core i5-9600 (3.1 GHz), Intel UHD 630 Video, 16GB DDR4 2400 SDRAM (1x16G), Western Digital Blue SN500 M.2 500GB NVMe SSD, Integrated 2M FHD Digital Video Camera, Finger Print Reader, Intel Dual Band Wireless -AC 9260 M.2 AC + BT Combo Card, Intel i219 Ethernet, Full Color Backlit Keyboard and MS Windows 10 Home, 3 Year Warranty

$1,499.00

**SYSTEM CPU UPGRADE**

<table>
<thead>
<tr>
<th>SYSTEM CPU UPGRADE</th>
<th>M.2 SSD (Slot 1) UPGRADE</th>
<th>HARD DISK DRIVE UPGRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE i5-9600K 3.1 GHz</td>
<td>$75.00</td>
<td>WD Blue S2 M.2 1TB</td>
</tr>
<tr>
<td>CORE i7-9700 3.0 GHz</td>
<td>$185.00</td>
<td>WD Blue S2 M.2 2TB</td>
</tr>
<tr>
<td>CORE i7-9700K 3.6 GHz</td>
<td>$330.00</td>
<td>Samsung 860EVO M.2 1TB</td>
</tr>
</tbody>
</table>

**SYSTEM MEMORY UPGRADE**

<table>
<thead>
<tr>
<th>SYSTEM MEMORY UPGRADE</th>
<th>WD Blue S2/500GB NVMe SSD</th>
<th>WD Blue S2/500GB NVMe SSD Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>16GB DDR4 2400 (1x16GB)</td>
<td>$29.00</td>
<td>WD Black SN750 NVMe SSD 1TB $69.00</td>
</tr>
<tr>
<td>16GB DDR4 2400 (2x8GB)</td>
<td>$123.00</td>
<td>WD Black SN750 NVMe SSD 1TB $186.00</td>
</tr>
<tr>
<td>64GB DDR4 2400 (4x16GB)</td>
<td>$330.00</td>
<td>Samsung 970Evo Plus NVMe SSD 2TB $218.00</td>
</tr>
<tr>
<td>16GB DDR4 3200 (1x16GB)</td>
<td>$65.00</td>
<td>Samsung 970Evo Plus NVMe SSD 2TB $533.00</td>
</tr>
<tr>
<td>32GB DDR4 3200 (2x16GB)</td>
<td>$173.00</td>
<td>Samsung 970Evo Plus NVMe SSD 2TB $1,100.00</td>
</tr>
<tr>
<td>128GB DDR4 2666 (4 x 32GB)</td>
<td>$745.00</td>
<td>Samsung 970Pro NVMe SSD 1TB $327.00</td>
</tr>
</tbody>
</table>

**OS UPGRADE OPTIONS | 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.
* No Recovery Media included for windows 10.

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

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>RETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACA-6065</td>
<td>NP6065 65W AC ADAPTER WITH POWER CORD</td>
<td>$125.00</td>
</tr>
<tr>
<td>ACA-6120</td>
<td>NP6120 120W AC ADAPTER WITH POWER CORD</td>
<td>$195.00</td>
</tr>
<tr>
<td>ACA-6150</td>
<td>NP6150 150W AC ADAPTER WITH POWER CORD</td>
<td>$195.00</td>
</tr>
<tr>
<td>BAT-6062</td>
<td>NP6062 SMART Lithium-Ion BATTERY PACK (6 CELLS 62 WH)</td>
<td>$215.00</td>
</tr>
<tr>
<td>BAT-6093</td>
<td>NP6093 SMART Lithium-Ion BATTERY PACK (8 CELLS 93 WH)</td>
<td>$279.00</td>
</tr>
<tr>
<td>DOC-W640R</td>
<td>DKW640R Smart Docking Station with 90W AC ADAPTER WITH POWER CORD</td>
<td>$295.00</td>
</tr>
</tbody>
</table>

**ACE MUSTANG W640SR DETAILED SPECIFICATIONS**

**Special Feature(s):**

- Built-in SmartCard Reader
- Built-in TPM 2.0
- Built-in Docking Station Port
- Built-in Thunderbolt 3

**Main Chipset:**

Mobile Intel® H370 Express Chipset

**Processor:**

Socket LGA1151
Coffee Lake; 8th and 9th generation up to i9-9900K

**Video / GPU:**

Intel HD Graphics 630 (iGPU); Coffee Lake

**Built-in PC Camera:**

Built-in 1M HD Webcam

**LCD Size:**

15.6in (39.62cm)

**LCD Specifications:**

FHD (1920x1080 @60Hz)
Supports up to 4 active displays

**Memory:**

Two 260-pin SODIMM sockets
DDR4-2666, 1.2V
up to 64GB

**Total Storage:**

up to 3 physical drives:
- 1st HDD/SSD SATA3 6Gb/s (9.5mm)
### Optical Drive:
- 2nd M.2 2280 PCIe NVMe 2x/4x or SATA3 SSD
- 3rd HDD/SSD SATA3 via ODD bay (7mm)
- Intel Rapid Start Technology
- Intel Smart Response Technology
- RAID 0/1

### Card Reader:
- 3rd HDD/SSD SATA3 via ODD bay (7mm)

### Audio Architecture:
- Intel Rapid Start Technology
- Intel Smart Response Technology

### Optical Drive:
- 6-in-1 Push-Push Card Reader
- MMC/RSMMC
- SD/mini SD/SDHC/SDXC

### Audio Architecture:
- High Definition Audio
- S/PDIF Digital Output
- Built in microphone
- Built in two 2W speakers

### LAN/WLAN/Bluetooth:
- Intel Rapid Start Technology
- Intel Smart Response Technology

### Optical Drive:
- 6-in-1 Push-Push Card Reader
- MMC/RSMMC
- SD/mini SD/SDHC/SDXC

### Audio Architecture:
- High Definition Audio
- S/PDIF Digital Output
- Built in microphone
- Built in two 2W speakers

### LAN/WLAN/Bluetooth:
- 1GbE LAN on-board (Intel I219)
- M.2 2230 slot for WLAN/Bluetooth
- M.2 3042 slot prewired for 3G/4G/LTE/UMTS/HSPA module (built-in SIM socket)

### Security:
- Kensington Lock
- Fingerprint (EgisTec ES603)
- TPM 2.0 on-board (Infineon SLB9665 TCG)
- SmartCard Reader (Alcor Micro AU9560 GBGR)

### ExpressCard Slot:
- Docking Station port (hot plug / cold plug)

### Internal cards / # of slots/Type:
- Three M.2 card slots
- 1st for WLAN M.2 2230
- 2nd for SSD M.2 2280 SATA/PCIe x2/x4
- 3rd for M.2 3042 LTE or UMTS/HSPA

### I/O Ports:
- 1 x Thunderbolt 3 (supports eGPU)
- 2 x USB 3.0 (1x powered USB) via Intel 100/C230 chipset
- 1 x USB 2.0
- 1 x HDMI output
- 1 x VGA
- 1 x 2-in-1 Headphone & S/PDIF
- 1 x Microphone-in
- 1 x RJ-45 LAN
- 1 x DC-in
- 1 x Docking Station

### Internal Keyboard:
- Backlit (white) full size with numeric pad
- TouchPad with multi-gesture and scrolling; 108x63mm

### AC Adapter:
- 65W 100-240V 50-60Hz Auto-switching (worldwide)
- DC Output 19V, 3.42A

### Battery:
- 6-cells Smart Li-Ion; 62WH
- up to 340 minutes in UMA mode

### Weight:
- 2.5kg (5.5lbs)

### Dimensions WxDxH:
- 382x259.5x32.95mm / 15.28x10.38x1.30in

### Thickness:
- 32.95mm (1.3in)

### Shipping / Packaging L xW x H / N.W. / G.W.:
- 22x13x5 inch / 11lbs; 550x330x120mm / 5kg