

Minimum Specifications	Standard Size Laptop - Upgrade I
CPU:	2.2GHz Quad-core Intel Core i7, Turbo Boost up to 3.4GHz
Optional CPU Upgrade 1:	2.5GHz Quad-core Intel Core i7, Turbo Boost up to 3.7GHz
Optional CPU Upgrade 2:	2.8GHz Quad-core Intel Core i7, Turbo Boost up to 4.0GHz
Operating System:	OS X El Capitan (OS 10.11.x)
RAM:	16GB (2x8GB) 2133 DDR4 w/ at least one extra memory slot
Optional RAM Upgrade:	Not Applicable
Internal Storage:	256GB PCIe-based Flash Storage
Optional Internal Storage Upgrade 1:	512GB PCIe-based Flash Storage
Optional Internal Storage Upgrade 2:	1TB PCIe-based Flash Storage
Graphics:	Intel Iris Pro Graphics
Graphics Upgrade 1:	Intel Iris Pro Graphics and AMD Radeon R9 M370X with 2GB of GDDR5 memory
Display Size:	15.4-inch (diagonal) LED-backlit display
Display Resolution:	2880 by 1800 pixels
Sound:	OEM Standard
Speakers:	OEM Standard
Optical Drive:	None
Keyboard:	Backlit Keyboard (English)
Webcam:	Integrated
Microphone:	Integrated
Bluetooth:	Bluetooth 4.0 Integrated
Smart Card Reader:	None
Network Interface:	IEEE 802.3ac Gigabit Ethernet / Wireless 802.11 a/b/g/n
Ports:	Two (2) USB 3.0 (or C) Ports / Two (2) Thunderbolt 2 Ports / One (1) HDMI Port
Expansion Slots:	
Delivery Time:	30 Days
Weight (includes battery):	6.5 pounds or less
Optional Docking Station:	None
Platform Integrity:	Not Applicable
EPEAT:	Gold
Energy Star:	Yes
TAA Compliant:	?
508 Compliant:	Not Applicable
Warranty:	Not Applicable - All Apple computers already covered by NIH for years by default.
Optional Software Bundle:	Not Applicable
Optional External Monitor:	Apple Thunderbolt Display (27-inch)

Optional Accessory - Networking	Thunderbolt-to-Gigabit Ethernet Adapter
Optional Accessory - Display Adapters	Mini DisplayPort-to-VGA Adapter / Mini DisplayPort-to-DVI Adapter
Optional Accessory - Display Cables	Mini DisplayPort-to-DisplayPort Cable ≥ 3-feet
Optional Accessory - Keyboard	Magic Keyboard
Optional Accessory - Mouse	Magic Mouse 2 / Magic Trackpad 2
Optional imaging - pre-supplied	Ship with customer previously supplied image
Optional imaging - image provided with order	Ship with customer supplied image
Optional speakers	External Stereo speakers w/o Sub-woofer
Optional Optical drive	External DVD RW(No Blu-Ray)