## CPU: Salient processor and platform characteristics
- CPU must be latest generation processor technology.
- Processor and chipset support for Operating System Trusted Boot & UEFI Secure Boot,
- Processor and chipset support for Trusted execution environment with a crypto module in hardware that is FIPS 140-2 (in process allowed but validated is preferred),
- Processor and chipset support for AES Processor Accelerated Encryption,
- Processor and chipset support for PKI secure remote power up/down/reset,
- Stable image hardware platform that is available for at least 12 months,
- Virtualization Technology for Directed I/O

## Operating System:
- Windows 10 Pro 64

## RAM:
- 8GB RAM expandable to 16 GB

## Hard Drive:
- 500GB HDD or SSD

## Display/Graphics:
- Integrated HD Graphics w/ Dual Monitor Support

## Sound:
- Stereo output

## Speakers:
- Integrated headphone and stereo speaker jacks or via splitter

## Optical Drive:
- Not required

## Mouse:
- USB or wireless optical mouse with scroll

## Keyboard:
- USB or wireless keyboard

## Smart Card Reader:
- FIPS-201 Approved Transparent Smart Card Reader (Keyboard Integrated or USB)

## Network Interface:
- Gigabit Ethernet or wireless

## Ports:
- 4 USB ports (at least 2 USB 3.0 or C), support for dual monitors

## Expansion Slots:
- 2 PCI Slots available (PCI and/or PCIe)

## Platform Integrity:
- TPM Version 2.0 (needed for Win 10)

## Add-ons for Desktop Standard

### Optional Monitor:
- 23.6 inch viewable

### Optional speakers:
- Stereo Speakers

### Optional Graphics Card upgrade:
- Discrete Graphics card

### Optional Security-enabled features:
- Webcam, microphone and Bluetooth not provided or disabled at BIOS; no optical drive

### Optional Optical Drives:
- Internal or External DVD RW (No Blu-Ray)

### Optional disk drive (primary):
- HDD or SSD

### Optional memory upgrade:
- Upgrade to 16 GB

### Optional Warranty:
- Extend standard manufacturer base warranty to 4 years
- Extend standard manufacturer base warranty to 5 years

### Optional Imaging - pre-supplied:
- Ship with customer previously supplied and approved image

### Optional Imaging - image provided with order:
- Ship with customer supplied image at the time of the order

### Asset Tagging:
- Tag assets before shipping

### Warehousing:
- Store assets

### Processor Upgrade:
- Must meet or exceed base processor

### Clock Speed Upgrade:
- Must meet or exceed base processor speed

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**DESKTOP STANDARD**

**Standard Specifications**

All specifications must comply with the following terms and conditions:
- EPEAT Gold for laptops and desktops, and EPEAT Gold or Silver for tablets,
- ENERGY STAR, for laptops, desktops, and tablets,
- 19 USC 2501 Trade Agreements Act, for laptops, desktops, and tablets,
- Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. 794d), for laptops, desktops, and tablets,
- Delivery 30 days or less, for laptops, desktops, and tablets, unless otherwise negotiated; prior to award, between customer and contract holder
## CPU: Salient processor and platform characteristics
- Processor and chipset support for Operating System Trusted Boot & UEFI Secure Boot,
- Processor and chipset support for Trusted execution environment with a crypto module in hardware that is FIPS 140-2 (in process allowed but validated is preferred),
- Processor and chipset support for AES Processor Accelerated Encryption,
- Processor and chipset support for PKI secure remote power up/down/reset,
- Stable image hardware platform that is available for at least 12 months,
- Virtualization Technology for Directed I/O

## Operating System:
Windows 10 Pro 64

## RAM:
16GB expandable to 32 GB

## Hard Drive:
500GB HDD or SSD

## Display/Graphics:
- Integrated HD graphics with dual monitor support and a slot available for a discrete card
- Stereo output

## Sound:
- Integrated headphone and stereo speaker jacks or via splitter

## Optical Drive:
- Not required

## Mouse:
- USB or wireless optical mouse with scroll

## Keyboard:
- USB or wireless keyboard

## Smart Card Reader:
- FIPS-201 Approved Transparent Smart Card Reader (Keyboard Integrated)

## Network Interface:
- Gigabit Ethernet or wireless

## Ports:
- 4 USB ports (at least 3 USB 3.0 or C), support for dual monitors

## Expansion Slots:
- 2 PCI Slots available (PCI and/or PCIe)

## Platform Integrity:
- TPM Version 2.0 (needed for Win 10)

## Add-ons for Desktop Mid-Level
- Optional Monitor: 23.6 inch viewable
- Optional speakers: Stereo Speakers
- Optional Graphics Card upgrade: Discrete Graphics card
- Optional Security-enabled features: Webcam, microphone and Bluetooth not provided or disabled at BIOS; no optical drive
- Optional Optical drive: Internal or External DVD RW (No Blu-Ray)
- Optional memory upgrade: Upgrade to 32 GB
- Optional Warranty: Extend standard manufacturer base warranty to 4 years
- Optional Warranty: Extend standard manufacturer base warranty to 5 years
- Optional imaging - pre-supplied: Ship with customer previously supplied and approved image
- Optional imaging - image provided with order: Ship with customer supplied image at the time of the order
- Asset tagging: Tag assets before shipping
-Warehousing: Store assets
- Processor Upgrade: Must meet or exceed base processor
- Clock Speed Upgrade: Must meet or exceed base processor speed
**CPU: Salient processor and platform characteristics**
- Processor and chipset support for Operating System Trusted Boot & UEFI Secure Boot,
- Processor and chipset support for Trusted execution environment with a crypto module in hardware that is FIPS 140-2 (in process allowed but validated is preferred),
- Processor and chipset support for AES Processor Accelerated Encryption,
- Processor and chipset support for PKI secure remote power up/down/reset,
- Stable image hardware platform that is available for at least 12 months,
- Virtualization Technology for Directed I/O

**Operating System:** Windows 10 Pro 64

**RAM:** 32GB expandable to 64 GB

**Hard Drive:** 256 GB Solid State Drive (SSD) and a 1TB SATA

**Display/Graphics:** Integrated HD graphics with dual monitor support and/or a slot available for a discrete card

**Sound:** Stereo output

**Speakers:** Integrated headphone and stereo speaker jacks or via splitter

**Optical Drive:**
- DVD RW (No Blu-Ray)
- DVD with all applicable hardware drivers, both 32Bit and 64Bit

**Mouse:**
- USB or wireless optical mouse with scroll

**Keyboard:**
- USB or wireless keyboard

**Smart Card Reader:** FIPS-201 Approved Transparent Smart Card Reader (Keyboard Integrated)

**Network Interface:**
- Gigabit Ethernet or wireless

**Ports:**
- 6 USB ports (at least 4 USB 3.0 or C), support for dual monitors

**Expansion Slots:**
- 2 PCI Slots available (PCI and/or PCIe)

**Platform Integrity:**
- TPM Version 2.0 (needed for Win 10)

**Optional Monitor:**
- 23.6 inch viewable

**Optional speakers:**
- Stereo Speakers

**Optional Graphics Card upgrade:**
- Discrete Graphics card

**Optional Security-enabled features:**
- Webcam, microphone and Bluetooth not provided or disabled at BIOS; no optical drive; network default to wired

**Optional Optical drive:**
- (Optical drive already included)

**Optional disk drive (primary):**
- HDD or SSD

**Optional memory upgrade:**
- Upgrade to 64 GB

**Optional Warranty:**
- Extend standard manufacturer base warranty to 4 years
- Extend standard manufacturer base warranty to 5 years

**Optional imaging - pre-supplied:**
- Ship with customer previously supplied and approved image

**Optional imaging - image provided with order:**
- Ship with customer supplied image at the time of the order

**Asset tagging:**
- Tag assets before shipping

**Warehousing:**
- Store assets

**Processor Upgrade:**
- Must meet or exceed base processor

**Clock Speed Upgrade:**
- Must meet or exceed base processor speed