

ENERGY STAR Version 7.0 Computers - Desk, Note, IC, Port All in one, Slate/Tablets Desktop and Integrated Desktop Template

Name	Description	Required/Optional	Multiple Select	Data Type	Restrictions	Enumerations
ENERGY STAR Specification Version		R	N	Enumeration Data		<ul style="list-style-type: none"> 6-07.0 6-1
Product Type		R	N	Enumeration Data		<ul style="list-style-type: none"> Desktop Notebook Integrated Desktop Slate/Tablet Two-In-One Notebook Portable All-In-One Computer
System Sleep Mode Default Time Upon Shipment (min)	Required if Sleep Mode default time upon shipment is applicable.	O	N	Integer	Max Value: 30	
Display Sleep Mode Default Time Upon Shipment (min)	Required if display sleep mode default time upon shipment is applicable.	O	N	Integer	Max Value: 15	
Product Marketed as a Workstation		R	N	Enumeration Data		<ul style="list-style-type: none"> Yes No
Ethernet Capability		R	N	Enumeration Data		<ul style="list-style-type: none"> Yes No
<u>WLAN Capability</u>		<u>R</u>	<u>N</u>	<u>Enumeration Data</u>		<ul style="list-style-type: none"> <u>Yes</u> <u>No</u>

Bluetooth Capability		R	N	Enumeration Data	<ul style="list-style-type: none"> • Yes • No
Reduced Sleep/Off Ethernet Speed	Required if Ethernet Capability is Yes. Indicate Yes if the speed of any active 1 Gb/s or higher Ethernet network links will be reduced to less than 1 Gb/s when transitioning to sleep or off mode.	O	N	Enumeration Data	<ul style="list-style-type: none"> • Yes • No
Product Sold Through Enterprise Channels		R	N	Enumeration Data	<ul style="list-style-type: none"> • Yes • No
Meets Wake Management Requirement		R	N	Enumeration Data	<ul style="list-style-type: none"> • Yes • No • Not Applicable
WOL (Wake on LAN) From Sleep	Required if Ethernet Capability is Yes.	O	N	Enumeration Data	<ul style="list-style-type: none"> • Shipped Enabled Under All Conditions • Shipped Enabled When Operating on Ac Power Only • Shipped Disabled • Shipped Disabled with Both Client OS and Network Controls to Enable Feature
Has the Ability to Enable and Disable WOL for Sleep Mode	Required if Ethernet Capability is Yes.	O	N	Enumeration Data	<ul style="list-style-type: none"> • Yes • No
Product Form Factor		R	N	Enumeration	<ul style="list-style-type: none"> • Mini • Small form factor • Mini Tower • Desktop

Product DIMM Count	Report installed number of dual in-line memory modules (DIMMs) installed in the product.	R	N	Integer	Min Value: 0	
Product PCIe16 Slot Count	Report number of physical 16 lane PCIe slots on the motherboard.	R	N	Integer	Min Value: 0	
Product PCIe8 Slot Count	Report number of physical 8 lane PCIe slots, including x16 slots wired as x8 slots on the motherboard.	R	N	Integer	Min Value: 0	
Product PCIe4 Slot Count	Report number of physical 4 lane PCIe slots, including x16 slots wired as x4 slots on the motherboard.	R	N	Integer	Min Value: 0	
Product PCIe1 Slot Count	Report number of physical 1 lane PCIe slots on the motherboard.	R	N	Integer	Min Value: 0	
Product M.2 Port Count	Report number of all M.2 ports on the motherboard.	R	N	Integer	Min Value: 0	
Product USB 2.0 Port Count	Report number of installed physical USB 2.0 ports.	R	N	Integer	Min Value: 0	
Product USB 3.0 Port Count	Report number of installed physical USB 3.0 ports.	R	N	Integer	Min Value: 0	
Product USB 3.1 Gen 1 Port Count	Report number of installed physical USB 3.1 Gen 1 ports.	R	N	Integer	Min Value: 0	
Product USB 3.1 Gen 2 Port Count	Report number of installed physical USB 3.1 Gen 2 ports.	R	N	Integer	Min Value: 0	
Product Thunderbolt Port Count	Report number of installed physical Thunderbolt ports.	R	N	Integer	Min Value: 0	
Product Thunderbolt 2 Port Count	Report number of installed physical Thunderbolt 2 ports.	R	N	Integer	Min Value: 0	
Product Thunderbolt 3 Port Count	Report number of installed physical Thunderbolt 3 ports.	R	N	Integer	Min Value: 0	
Product Total USB Header Count	Report total number of physical USB headers designed for use by media readers and/or USB ports which are present on the motherboard. This count includes unoccupied headers present on the motherboard.	R	N	Integer	Min Value: 0	
Product SATA and eSATA Port Count	Report the number of physical SATA and eSATA ports on the motherboard.	R	N	Integer	Min Value: 0	
Product SATA Express Port Count	Report the number of physical SATA Express ports on the motherboard.	R	N	Integer	Min Value: 0	

Applicable Categories for TEC Criteria		R	Y	Enumeration Data	<ul style="list-style-type: none"> • 0 • I1 • I2 • I3 • D1 • D2
Category 0 Operating System Name	Required for Category 0 models.	O	Y	Enumeration Data	<ul style="list-style-type: none"> • Android • Chrome • iOS • Linux • Mac OS X • Mac OS X Server • Other • Solaris 10 • Solaris 9 • Unix • Windows 2000 • Windows 7 • <u>Windows 8</u> • Windows 10 • Windows CE • Windows Home Server • Windows Server 2008 • Windows XP
Category 0 Operating System Name Other	Required for Category 0 models if Operating System Name is Other.	O	N	Text	Max Length: 1000

Category 0 Processor Brand	Required for Category 0 models. For Product Type Slate/Tablet, Processor Brand will not be included on certified product list.	O	N	Enumeration Data	<ul style="list-style-type: none"> • AMD • Intel • IBM • Sun • VIA • Other
Category 0 Processor Name	Required for Category 0 models. For Product Type Slate/Tablet, Processor Name will not be included on certified product list.	O	Y	Enumeration Data	<ul style="list-style-type: none"> • Athlon • Athlon 64 • Atom • Celeron • Core i3 • Core i5 • Core i7 • Core2 Duo • Core2 Quad • Core M • FX • Geode • Itanium • Itanium 2 • Nano • Neo • Opteron • Other • Pentium • Pentium D • Pentium IV

						<ul style="list-style-type: none"> • Phenom X3 • Phenom X4 • Ryzen 3 • Ryzen 5 • Ryzen 7 • Xeon
Category 0 Processor Name Other	Required for Category 0 models if Category 0 Processor Name is Other. For Product Type Slate/Tablet, Processor Name Other will not be included on certified product list.	O	N	Text	Max Length: 1000	
Category 0 Multi-Channel Memory Support	Required for Category 0 models. Report yes if installed processor supports four or more memory channels.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category 0 Installed System Memory RAM (GB)	Required for Category 0 models. Provide the memory actually installed in the model tested, not the maximum supported.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category 0 Graphics Category	Required for Category 0 models if graphics adder is applicable, when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • G1 • G2 • G3 • G4 • G5 • G6 • G7
Category 0 Switchable Graphics Enabled by Default in Ac Mode	Required for Category 0 when a device has both integrated graphics and discrete graphics. This setting means that the graphics is switched to integrated graphics when the graphics demand is low. The OEM can provide guidance on detecting what state the graphics is in. This setting is only applicable when a device has both integrated graphics and discrete graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category 0 Capable of Switchable Graphics in Battery Mode	Required for Category 0 models when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No

Category 0 Primary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category 0 models when a device has discrete graphics.	O	N	Decimal	No. of Decimal: 1	
Category 0 Primary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category 0 models when a device has discrete graphics.	O	N	Integer		
Category 0 Secondary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category 0 models when a device has a secondary discrete graphics device installed.	O	N	Decimal	No. of Decimal: 1	
Category 0 Secondary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category 0 models when a device has a secondary discrete graphics device installed.	O	N	Integer		
Category 0 Gigabit Ethernet Ports (count)	Required for Category 0 models.	O	N	Integer	Min Value: 0	
Category 0 Energy Efficient Ethernet (EEE)	Required for Category 0 models. Indicate if Energy Efficient Ethernet is supported.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Desktop Category 0 Number of Storage Drives	Required for Category 0 models.	O	N	Integer	Min Value: 0	
Category 0 Number of Integrated Displays (count)	Required for Category 0 if integrated display allowance is applicable.	O	N	Integer		
Category 0 Integrated Display Resolution (megapixels)	Required for Category 0 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category 0 Integrated Display Viewable Screen Area (sq in)	Required for Category 0 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category 0 Enhanced Performance Display Present	Required if for Category 0 Enhanced-performance Display allowance is applicable.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category 0 Enhanced Perform Disp Diagonal	Required if for Category 0 Enhanced-performance Display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2	

Vble Screen Size (in)					Min Value: 0.00	
Category 0 Internal/External Pwr Supply Efficiency at 10% Load	Required if for Category 0 Power Supply Efficiency allowance is included in test report.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category 0 Internal Power Supply Efficiency at 20% Load	Required if for Category 0 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category 0 Internal Power Supply Efficiency at 50% Load	Required if for Category 0 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category 0 Internal Power Supply Efficiency at 100% Load	Required if for Category 0 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category 0 External Power Supply Average Efficiency	Required if for Category 0 Power Supply Efficiency allowance is applicable. Provide the simple average of efficiency at 25%, 50%, 75%, and 100% load.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category 0 External/Internal Power Supply Rated Power (W)	Required for Category 0 models. Provide the nameplate output power which is the power output of the power supply as specified on the manufacturer's label on the power supply housing or, if absent from the housing, as specified in documentation provided by the manufacturer.	O	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category 0 Physical CPU Cores (count)	Required for Category 0 models. Provide the number of physical - not logical - CPU cores. For Product Type Slate/Tablet, Physical CPU Cores will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category 0 CPU Packages (count)	Required for Category 0 models. Provide the number of CPUs/packages. For Product Type Slate/Tablet, CPU Packages will not be included on certified	O	N	Integer	Min Value: 0	

	product list.					
Category 0 CPU Base Clock Speed (GHz)	Required for Category 0 models. Provide the base CPU clock speed, not the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Base Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category 0 CPU Maximum Clock Speed (GHz)	Required for Category 0 models. Provide the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Maximum Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category 0 Storage Technology	Required for Category 0 models. Provide the storage technology. Hard Disk Drive includes hybrid hard disk drives with flash component.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Hard Disk Drive • Solid State Drive • Other
Category 0 Storage Technology Other	Required if Category 0 Storage Technology is Other.	O	N	Text	Max Length: 1000	
Category 0 Performance Score	Required for Category 0 models. Performance Score is the product of Category 0 Physical CPU Cores and Category 0 CPU Clock Speed in GHz.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category 0 Proxy Support	Required for Category 0 models. This is a manufacturer-reported parameter. On Mac computers, "Wake for network access" enabled within the Energy Saver/Power Adapter Preferences signifies Base Capability or better. On Windows computers, "ARP Offload" or "NS Offload" or similar enabled within the Advanced Properties of the Network Interface Card (accessed through the Device Manager) signifies Base Capability or better. OEM can provide further guidance on how to confirm Proxy Support.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Conventional • Base Capability • Remote Wake • Service Discovery/Name Services • Full Capability
Category 0 Measured Power in Off at 115 V (W)	Required for Category 0 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category 0 Measured Power in Off at 230 V (W)	Required for Category 0 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category 0 User-activated Low-power	Required for Category 0 models. Indicate if model offers Sleep Mode enabled by default or another low-latency user-activated mode or state that preserves	O	N	Enumeration Data		<ul style="list-style-type: none"> • Off Mode with Hibernation

Mode Enabled by Default	machine state.					<ul style="list-style-type: none"> • Sleep Mode • Connected Sleep • Other • None
Category 0 User-activated Low-power Mode Enabled by Dflt Other	Required if Category 0 User-activated Low-power Mode Enabled by Default is Other.	O	N	Text	Max Length: 1000	
Category 0 Long Idle State Pwr Used in Place of Sleep Mode Pwr	Required for Category 0 models. Indicate if Long Idle State power is used in place of Sleep Mode power when calculating Typical Energy Consumption (TEC).	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category 0 Measured Power in Sleep at 115 V (W)	Required for Category 0 models tested at 115 V if model has User-activated Low-power Mode Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category 0 Measured Power in Sleep at 230 V (W)	Required for Category 0 models tested at 230 V if model has User-activated Low-power Behavior Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category 0 Measured Power in Long Idle at 115 V (W)	Required for Category 0 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category 0 Measured Power in Long Idle at 230 V (W)	Required for Category 0 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category 0 Measured Power in Short Idle at 115 V (W)	Required for Category 0 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category 0 Additional Measured Power in Short Idle at 115 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category 0 models tested at 115 V. The display brightness for this additional measurement shall be 150cd/m sq.	⊖	N	Decimal	No. of Decimal: 4 Min Value: 0	
Category 0 Measured Power in Short Idle at 230 V (W)	Required for Category 0 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category 0 Additional Measured Power in	Required if Product Type is Notebook or Two-In-One Notebook for Category 0 models tested at 230 V. The display brightness for this additional measurement	⊖	N	Decimal	No. of Decimal: 4	

Short Idle at 230 V (W)	shall be 150cd/m sq.				Min Value: 0	
Reported Category 0 TEC at 115 V (kWh)	Required for Category 0 models tested at 115 V. Provide the Typical Energy Consumption (TEC) which will appear on the ENERGY STAR list of certified products.	O	N	Decimal	No. of Decimal: 1	
Reported Category 0 TEC at 230 V (kWh)	Required for Category 0 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category 0 Base TEC Allowance	Required for Category 0 models.	O	N	Integer	Min Value: 14 Max Value: 135	
Category 0 Functional Adder Allowances (kWh)	Required for Category 0 models. If no capability adjustments, indicate zero.	O	N	Decimal	No. of Decimal: 1	
Category 0 Maximum TEC Requirement (Etec max) (kWh)	Required for Category 0 models. If no functional adders, indicate Base TEC Allowance.	O	N	Decimal	No. of Decimal: 1	
Category I1 Operating System Name	Required for Category I1 models.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Android • Chrome • iOS • Linux • Mac OS X • Mac OS X Server • Other • Solaris 10 • Solaris 9 • Unix • Windows 2000 • Windows 7 • <u>Windows 8</u> • Windows 10 • Windows CE

						<ul style="list-style-type: none"> • Windows Home Server • Windows Server 2008 • Windows XP
Category I1 Operating System Name Other	Required for Category I1 models if Operating System Name is Other.	O	N	Text	Max Length: 1000	
Category I1 Processor Brand	Required for Category I1 models. For Product Type Slate/Tablet, Processor Brand will not be included on certified product list.	O	N	Enumeration Data		<ul style="list-style-type: none"> • AMD • Intel • IBM • Sun • VIA • Other
Category I1 Processor Name	Required for Category I1 models. For Product Type Slate/Tablet, Processor Name will not be included on certified product list.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Athlon • Athlon 64 • Atom • Celeron • Core i3 • Core i5 • Core i7 • Core2 Duo • Core2 Quad • Core M • FX • Geode • Itanium • Itanium 2

						<ul style="list-style-type: none"> • Nano • Neo • Opteron • Other • Pentium • Pentium D • Pentium IV • Phenom X3 • <u>Phenom X4</u> • <u>Ryzen 3</u> • <u>Ryzen 5</u> • <u>Ryzen 7</u> • Xeon
Category I1 Processor Name Other	Required for Category I1 models if Category I1 Processor Name is Other. For Product Type Slate/Tablet, Processor Name Other will not be included on certified product list.	O	N	Text	Max Length: 1000	
<u>Category I1 Multi-Channel Memory Support</u>	<u>Required for Category I1 models. Report yes if installed processor supports four or more memory channels.</u>	<u>O</u>	<u>N</u>	<u>Enumeration Data</u>		<ul style="list-style-type: none"> • <u>Yes</u> • <u>No</u>
Category I1 Installed System Memory RAM (GB)	Required for Category I1 models. Provide the memory actually installed in the model tested, not the maximum supported.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I1 Graphics Category	Required for Category I1 models if graphics adder is applicable, when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • G1 • G2 • G3 • G4 • G5 • G6

						<ul style="list-style-type: none"> G7
Category I1 Switchable Graphics Enabled by Default in Ac Mode	Required for Category I1 when a device has both integrated graphics and discrete graphics. This setting means that the graphics is switched to integrated graphics when the graphics demand is low. The OEM can provide guidance on detecting what state the graphics is in. This setting is only applicable when a device has both integrated graphics and discrete graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> Yes No
Category I1 Capable of Switchable Graphics in Battery Mode	Required for Category I1 models when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> Yes No
Category I1 Primary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category I1 models when a device has switchable graphics.	O	N	Decimal	No. of Decimal: 1	
Category I1 Primary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category I1 models when a device has switchable graphics.	O	N	Integer		
Category I1 Secondary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category I1 models when a device has a secondary discrete graphics device installed.	O	N	Decimal	No. of Decimal: 1	
Category I1 Secondary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category I1 models when a device has a secondary discrete graphics device installed.	O	N	Integer		
Category I1 Gigabit Ethernet Ports (count)	Required for Category I1 models.	O	N	Integer	Min Value: 0	
Category I1 Energy Efficient Ethernet (EEE)	Required for Category I1 models. Indicate if Energy Efficient Ethernet is supported.	O	N	Enumeration Data		<ul style="list-style-type: none"> Yes No
Category I1 Number of Storage Drives	Required for Category I1 models.	O	N	Integer	Min Value: 0	
Category I1 Number of Integrated Displays (count)	Required for Category I1 if integrated display allowance is applicable.	O	N	Integer		
Category I1 Integrated Display Resolution (megapixels)	Required for Category I1 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	

Category I1 Integrated Display Viewable Screen Area (sq in)	Required for Category I1 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I1 Enhanced Performance Display Present	Required if for Category I1 Enhanced-performance Display allowance is applicable.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I1 Enhanced Perform Disp Diagonal Vble Screen Size (in)	Required if for Category I1 Enhanced-performance Display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I1 Internal/External Pwr Supply Efficiency at 10% Load	Required if for Category I1 Power Supply Efficiency allowance is included in test report.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I1 Internal Power Supply Efficiency at 20% Load	Required if for Category I1 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I1 Internal Power Supply Efficiency at 50% Load	Required if for Category I1 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I1 Internal Power Supply Efficiency at 100% Load	Required if for Category I1 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I1 External Power Supply Average Efficiency	Required if for Category I1 Power Supply Efficiency allowance is applicable. Provide the simple average of efficiency at 25%, 50%, 75%, and 100% load.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	

Category I1 External/Internal Power Supply Rated Power (W)	Required for Category I1 models. Provide the nameplate output power which is the power output of the power supply as specified on the manufacturer's label on the power supply housing or, if absent from the housing, as specified in documentation provided by the manufacturer.	O	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category I1 Physical CPU Cores (count)	Required for Category I1 models. Provide the number of physical - not logical - CPU cores. For Product Type Slate/Tablet, Physical CPU Cores will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category I1 CPU Packages (count)	Required for Category I1 models. Provide the number of CPUs/packages. For Product Type Slate/Tablet, CPU Packages will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category I1 CPU Base Clock Speed (GHz)	Required for Category I1 models. Provide the base CPU clock speed, not the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Base Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I1 CPU Maximum Clock Speed (GHz)	Required for Category I1 models. Provide the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Maximum Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I1 Storage Technology	Required for Category I1 models. Provide the storage technology. Hard Disk Drive includes hybrid hard disk drives with flash component.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Hard Disk Drive • Solid State Drive • Other
Category I1 Storage Technology Other	Required if Category I1 Storage Technology is Other.	O	N	Text	Max Length: 1000	
Category I1 Performance Score	Required for Category I1 models. Performance Score is the product of Category I1 Physical CPU Cores and Category I1 CPU Clock Speed in GHz.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I1 Proxy Support	Required for Category I1 models. This is a manufacturer-reported parameter. On Mac computers, "Wake for network access" enabled within the Energy Saver/Power Adapter Preferences signifies Base Capability or better. On Windows computers, "ARP Offload" or "NS Offload" or similar enabled within the Advanced Properties of the Network Interface Card (accessed through the Device Manager) signifies Base Capability or better. OEM can provide further guidance on how to confirm Proxy Support.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Conventional • Base Capability • Remote Wake • Service Discovery/Name Services • Full Capability

Category I1 Measured Power in Off at 115 V (W)	Required for Category I1 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I1 Measured Power in Off at 230 V (W)	Required for Category I1 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I1 User-activated Low-power Mode Enabled by Default	Required for Category I1 models. Indicate if model offers Sleep Mode enabled by default or another low-latency user-activated mode or state that preserves machine state.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Off Mode with Hibernation • Sleep Mode • Connected Sleep • Other • None
Category I1 User-activated Low-power Mode Enabled by Dflt Other	Required if Category I1 User-activated Low-power Mode Enabled by Default is Other.	O	N	Text	Max Length: 1000	
Category I1 Long Idle State Pwr Used in Place of Sleep Mode Pwr	Required for Category I1 models. Indicate if Long Idle State power is used in place of Sleep Mode power when calculating Typical Energy Consumption (TEC).	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I1 Measured Power in Sleep at 115 V (W)	Required for Category I1 models tested at 115 V if model has User-activated Low-power Mode Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category I1 Measured Power in Sleep at 230 V (W)	Required for Category I1 models tested at 230 V if model has User-activated Low-power Behavior Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category I1 Measured Power in Long Idle at 115 V (W)	Required for Category I1 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category I1 Measured Power in Long Idle at 230 V (W)	Required for Category I1 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I1 Measured Power in Short Idle at 115 V (W)	Required for Category I1 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	

Category I1 Additional Measured Power in Short Idle at 115 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category I1 models tested at 115 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category I1 Measured Power in Short Idle at 230 V (W)	Required for Category I1 models tested at 230 V.	0	N	Decimal	No. of Decimal: 1	
Category I1 Additional Measured Power in Short Idle at 230 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category I1 models tested at 230 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 1 Min Value: 0	
Reported Category I1 TEC at 115 V (kWh)	Required for Category I1 models tested at 115 V. Provide the Typical Energy Consumption (TEC) which will appear on the ENERGY STAR list of certified products.	0	N	Decimal	No. of Decimal: 1	
Reported Category I1 TEC at 230 V (kWh)	Required for Category I1 models tested at 230 V.	0	N	Decimal	No. of Decimal: 1	
Category I1 Base TEC Allowance	Required for Category I1 models.	0	N	Integer	Min Value: 14 Max Value: 135	
Category I1 Functional Adder Allowances (kWh)	Required for Category I1 models. If no capability adjustments, indicate zero.	0	N	Decimal	No. of Decimal: 1	
Category I1 Maximum TEC Requirement (Etec max) (kWh)	Required for Category I1 models. If no functional adders, indicate Base TEC Allowance.	0	N	Decimal	No. of Decimal: 1	
Category I2 Operating System Name	Required for Category I2 models.	0	Y	Enumeration Data		<ul style="list-style-type: none"> • Android • Chrome • iOS • Linux • Mac OS X • Mac OS X Server • Other • Solaris 10 • Solaris 9

						<ul style="list-style-type: none"> • Unix • Windows 2000 • Windows 7 • <u>Windows 8</u> • Windows 10 • Windows CE • Windows Home Server • Windows Server 2008 • Windows XP
Category I2 Operating System Name Other	Required for Category I2 models if Operating System Name is Other.	O	N	Text	Max Length: 1000	
Category I2 Processor Brand	Required for Category I2 models. For Product Type Slate/Tablet, Processor Brand will not be included on certified product list.	O	N	Enumeration Data		<ul style="list-style-type: none"> • AMD • Intel • IBM • Sun • VIA • Other
Category I2 Processor Name	Required for Category I2 models. For Product Type Slate/Tablet, Processor Name will not be included on certified product list.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Athlon • Athlon 64 • Atom • Celeron • Core i3 • Core i5 • Core i7 • Core2 Duo

						<ul style="list-style-type: none"> • Core2 Quad • Core M • FX • Geode • Itanium • Itanium 2 • Nano • Neo • Opteron • Other • Pentium • Pentium D • Pentium IV • Phenom X3 • Phenom X4 • Ryzen 3 • Ryzen 5 • Ryzen 7 • Xeon
Category I2 Processor Name Other	Required for Category I2 models if Category I2 Processor Name is Other. For Product Type Slate/Tablet, Processor Name Other will not be included on certified product list.	O	N	Text	Max Length: 1000	
Category I2 Multi-Channel Memory Support	Required for Category I2 models. Report yes if installed processor supports four or more memory channels.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I2 Installed System Memory RAM (GB)	Required for Category I2 models. Provide the memory actually installed in the model tested, not the maximum supported.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	

Category I2 Graphics Category	Required for Category I2 models if graphics adder is applicable, when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • G1 • G2 • G3 • G4 • G5 • G6 • G7
Category I2 Switchable Graphics Enabled by Default in Ac Mode	Required for Category I2 when a device has both integrated graphics and discrete graphics. This setting means that the graphics is switched to integrated graphics when the graphics demand is low. The OEM can provide guidance on detecting what state the graphics is in. This setting is only applicable when a device has both integrated graphics and discrete graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I2 Capable of Switchable Graphics in Battery Mode	Required for Category I2 models when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I2 Primary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category I2 models when a device has switchable graphics.	O	N	Decimal	No. of Decimal: 1	
Category I2 Primary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category I2 models when a device has switchable graphics.	O	N	Integer		
Category I2 Secondary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category I2 models when a device has a secondary discrete graphics device installed.	O	N	Decimal	No. of Decimal: 1	
Category I2 Secondary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category I2 models when a device has a secondary discrete graphics device installed.	O	N	Integer		
Category I2 Gigabit Ethernet Ports (count)	Required for Category I2 models.	O	N	Integer	Min Value: 0	
Category I2 Energy Efficient Ethernet (EEE)	Required for Category I2 models. Indicate if Energy Efficient Ethernet is supported.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I2 Number of	Required for Category I2 models.	O	N	Integer	Min Value:	

Storage Drives					0	
Category I2 Number of Integrated Displays (count)	Required for Category I2 if integrated display allowance is applicable.	O	N	Integer		
Category I2 Integrated Display Resolution (megapixels)	Required for Category I2 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I2 Integrated Display Viewable Screen Area (sq in)	Required for Category I2 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I2 Enhanced Performance Display Present	Required if for Category I2 Enhanced-performance Display allowance is applicable.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I2 Enhanced Perform Disp Diagonal Vble Screen Size (in)	Required if for Category I2 Enhanced-performance Display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I2 Internal/External Pwr Supply Efficiency at 10% Load	Required if for Category I2 Power Supply Efficiency allowance is included in test report.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I2 Internal Power Supply Efficiency at 20% Load	Required if for Category I2 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I2 Internal Power Supply Efficiency at 50% Load	Required if for Category I2 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I2 Internal Power Supply Efficiency	Required if for Category I2 internal power supply is present.	O	N	Decimal	No. of Decimal: 2	

at 100% Load					Min Value: 0.00 Max Value: 1.00	
Category I2 External Power Supply Average Efficiency	Required if for Category I2 Power Supply Efficiency allowance is applicable. Provide the simple average of efficiency at 25%, 50%, 75%, and 100% load.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I2 External/Internal Power Supply Rated Power (W)	Required for Category I2 models. Provide the nameplate output power which is the power output of the power supply as specified on the manufacturer's label on the power supply housing or, if absent from the housing, as specified in documentation provided by the manufacturer.	O	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category I2 Physical CPU Cores (count)	Required for Category I2 models. Provide the number of physical - not logical - CPU cores. For Product Type Slate/Tablet, Physical CPU Cores will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category I2 CPU Packages (count)	Required for Category I2 models. Provide the number of CPUs/packages. For Product Type Slate/Tablet, CPU Packages will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category I2 CPU Base Clock Speed (GHz)	Required for Category I2 models. Provide the base CPU clock speed, not the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Base Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I2 CPU Maximum Clock Speed (GHz)	Required for Category I2 models. Provide the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Maximum Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I2 Storage Technology	Required for Category I2 models. Provide the storage technology. Hard Disk Drive includes hybrid hard disk drives with flash component.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Hard Disk Drive • Solid State Drive • Other
Category I2 Storage Technology Other	Required if Category I2 Storage Technology is Other.	O	N	Text	Max Length: 1000	
Category I2 Performance Score	Required for Category I2 models. Performance Score is the product of Category I2 Physical CPU Cores and Category I2 CPU Clock Speed in GHz.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	

Category I2 Proxy Support	Required for Category I2 models. This is a manufacturer-reported parameter. On Mac computers, "Wake for network access" enabled within the Energy Saver/Power Adapter Preferences signifies Base Capability or better. On Windows computers, "ARP Offload" or "NS Offload" or similar enabled within the Advanced Properties of the Network Interface Card (accessed through the Device Manager) signifies Base Capability or better. OEM can provide further guidance on how to confirm Proxy Support.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Conventional • Base Capability • Remote Wake • Service Discovery/Name Services • Full Capability
Category I2 Measured Power in Off at 115 V (W)	Required for Category I2 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I2 Measured Power in Off at 230 V (W)	Required for Category I2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I2 User-activated Low-power Mode Enabled by Default	Required for Category I2 models. Indicate if model offers Sleep Mode enabled by default or another low-latency user-activated mode or state that preserves machine state.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Off Mode with Hibernation • Sleep Mode • Connected Sleep • Other • None
Category I2 User-activated Low-power Mode Enabled by Default Other	Required if Category I2 User-activated Low-power Mode Enabled by Default is Other.	O	N	Text	Max Length: 1000	
Category I2 Long Idle State Pwr Used in Place of Sleep Mode Pwr	Required for Category I2 models. Indicate if Long Idle State power is used in place of Sleep Mode power when calculating Typical Energy Consumption (TEC).	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I2 Measured Power in Sleep at 115 V (W)	Required for Category I2 models tested at 115 V if model has User-activated Low-power Mode Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category I2 Measured Power in Sleep at 230 V (W)	Required for Category I2 models tested at 230 V if model has User-activated Low-power Behavior Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	

Category I2 Measured Power in Long Idle at 115 V (W)	Required for Category I2 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category I2 Measured Power in Long Idle at 230 V (W)	Required for Category I2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I2 Measured Power in Short Idle at 115 V (W)	Required for Category I2 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category I2 Additional Measured Power in Short Idle at 115 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category I2 models tested at 115 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category I2 Measured Power in Short Idle at 230 V (W)	Required for Category I2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I2 Additional Measured Power in Short Idle at 230 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category I2 models tested at 230 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 1 Min Value: 0	
Reported Category I2 TEC at 115 V (kWh)	Required for Category I2 models tested at 115 V. Provide the Typical Energy Consumption (TEC) which will appear on the ENERGY STAR list of certified products.	O	N	Decimal	No. of Decimal: 1	
Reported Category I2 TEC at 230 V (kWh)	Required for Category I2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I2 Base TEC Allowance	Required for Category I2 models.	O	N	Integer	Min Value: 14 Max Value: 135	
Category I2 Functional Adder Allowances (kWh)	Required for Category I2 models. If no capability adjustments, indicate zero.	O	N	Decimal	No. of Decimal: 1	
Category I2 Maximum TEC Requirement (Etec max) (kWh)	Required for Category I2 models. If no functional adders, indicate Base TEC Allowance.	O	N	Decimal	No. of Decimal: 1	
Category I3 Operating System Name	Required for Category I3 models.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Android • Chrome

						<ul style="list-style-type: none"> • iOS • Linux • Mac OS X • Mac OS X Server • Other • Solaris 10 • Solaris 9 • Unix • Windows 2000 • Windows 7 • Windows 8 • Windows 10 • Windows CE • Windows Home Server • Windows Server 2008 • Windows XP
Category I3 Operating System Name Other	Required for Category I3 models if Operating System Name is Other.	O	N	Text	Max Length: 1000	
Category I3 Processor Brand	Required for Category I3 models. For Product Type Slate/Tablet, Processor Brand will not be included on certified product list.	O	N	Enumeration Data		<ul style="list-style-type: none"> • AMD • Intel • IBM • Sun • VIA • Other
Category I3 Processor Name	Required for Category I3 models. For Product Type Slate/Tablet, Processor Name will not be included on certified product list.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Athlon

						<ul style="list-style-type: none"> • Athlon 64 • Atom • Celeron • Core i3 • Core i5 • Core i7 • Core2 Duo • Core2 Quad • <u>Core M</u> • <u>FX</u> • Geode • Itanium • Itanium 2 • Nano • Neo • Opteron • Other • Pentium • Pentium D • Pentium IV • Phenom X3 • <u>Phenom X4</u> • <u>Ryzen 3</u> • <u>Ryzen 5</u> • <u>Ryzen 7</u> • Xeon
Category I3 Processor	Required for Category I3 models if Category I3 Processor Name is Other. For	O	N	Text	Max Length:	

Name Other	Product Type Slate/Tablet, Processor Name Other will not be included on certified product list.				1000	
Category I3 Multi-Channel Memory Support	Required for Category I3 models. Report yes if installed processor supports four or more memory channels.	<u>O</u>	<u>N</u>	Enumeration Data		<ul style="list-style-type: none"> Yes No
Category I3 Installed System Memory RAM (GB)	Required for Category I3 models. Provide the memory actually installed in the model tested, not the maximum supported.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I3 Graphics Category	Required for Category I3 models if graphics adder is applicable, when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • G1 • G2 • G3 • G4 • G5 • G6 • G7
Category I3 Switchable Graphics Enabled by Default in Ac Mode	Required for Category I3 when a device has both integrated graphics and discrete graphics. This setting means that the graphics is switched to integrated graphics when the graphics demand is low. The OEM can provide guidance on detecting what state the graphics is in. This setting is only applicable when a device has both integrated graphics and discrete graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I3 Capable of Switchable Graphics in Battery Mode	Required for Category I3 models when a device has switchable graphics.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I3 Primary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category I3 models when a device has switchable graphics.	O	N	Decimal	No. of Decimal: 1	
Category I3 Primary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category I3 models when a device has switchable graphics.	O	N	Integer		
Category I3 Secondary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category I3 models when a device has a secondary discrete graphics device installed.	<u>O</u>	<u>N</u>	Decimal	No. of Decimal: 1	

Category I3 Secondary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category I3 models when a device has a secondary discrete graphics device installed.	O	N	Integer		
Category I3 Gigabit Ethernet Ports (count)	Required for Category I3 models.	O	N	Integer	Min Value: 0	
Category I3 Energy Efficient Ethernet (EEE)	Required for Category I3 models. Indicate if Energy Efficient Ethernet is supported.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I3 Number of Storage Drives	Required for Category I3 models.	O	N	Integer	Min Value: 0	
Category I3 Number of Integrated Displays (count)	Required for Category I3 if integrated display allowance is applicable.	O	N	Integer		
Category I3 Integrated Display Resolution (megapixels)	Required for Category I3 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I3 Integrated Display Viewable Screen Area (sq in)	Required for Category I3 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I3 Enhanced Performance Display Present	Required if for Category I3 Enhanced-performance Display allowance is applicable.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I3 Enhanced Perform Disp Diagonal Vble Screen Size (in)	Required if for Category I3 Enhanced-performance Display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category I3 Internal/External Pwr Supply Efficiency at 10% Load	Required if for Category I3 Power Supply Efficiency allowance is included in test report.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I3 Internal Power Supply Efficiency at 20% Load	Required if for Category I3 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value:	

					0.00 Max Value: 1.00	
Category I3 Internal Power Supply Efficiency at 50% Load	Required if for Category I3 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I3 Internal Power Supply Efficiency at 100% Load	Required if for Category I3 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I3 External Power Supply Average Efficiency	Required if for Category I3 Power Supply Efficiency allowance is applicable. Provide the simple average of efficiency at 25%, 50%, 75%, and 100% load.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category I3 External/Internal Power Supply Rated Power (W)	Required for Category I3 models. Provide the nameplate output power which is the power output of the power supply as specified on the manufacturer's label on the power supply housing or, if absent from the housing, as specified in documentation provided by the manufacturer.	O	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category I3 Physical CPU Cores (count)	Required for Category I3 models. Provide the number of physical - not logical - CPU cores. For Product Type Slate/Tablet, Physical CPU Cores will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category I3 CPU Packages (count)	Required for Category I3 models. Provide the number of CPUs/packages. For Product Type Slate/Tablet, CPU Packages will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category I3 CPU Base Clock Speed (GHz)	Required for Category I3 models. Provide the base CPU clock speed, not the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Base Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I3 CPU Maximum Clock Speed (GHz)	Required for Category I3 models. Provide the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Maximum Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	

Category I3 Storage Technology	Required for Category I3 models. Provide the storage technology. Hard Disk Drive includes hybrid hard disk drives with flash component.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Hard Disk Drive • Solid State Drive • Other
Category I3 Storage Technology Other	Required if Category I3 Storage Technology is Other.	O	N	Text	Max Length: 1000	
Category I3 Performance Score	Required for Category I3 models. Performance Score is the product of Category I3 Physical CPU Cores and Category I3 CPU Clock Speed in GHz.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I3 Proxy Support	Required for Category I3 models. This is a manufacturer-reported parameter. On Mac computers, "Wake for network access" enabled within the Energy Saver/Power Adapter Preferences signifies Base Capability or better. On Windows computers, "ARP Offload" or "NS Offload" or similar enabled within the Advanced Properties of the Network Interface Card (accessed through the Device Manager) signifies Base Capability or better. OEM can provide further guidance on how to confirm Proxy Support.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Conventional • Base Capability • Remote Wake • Service Discovery/Name Services • Full Capability
Category I3 Measured Power in Off at 115 V (W)	Required for Category I3 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category I3 Measured Power in Off at 230 V (W)	Required for Category I3 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I3 User-activated Low-power Mode Enabled by Default	Required for Category I3 models. Indicate if model offers Sleep Mode enabled by default or another low-latency user-activated mode or state that preserves machine state.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Off Mode with Hibernation • Sleep Mode • Connected Sleep • Other • None
Category I3 User-activated Low-power Mode Enabled by Dflt Other	Required if Category I3 User-activated Low-power Mode Enabled by Default is Other.	O	N	Text	Max Length: 1000	

Other						
Category I3 Long Idle State Pwr Used in Place of Sleep Mode Pwr	Required for Category I3 models. Indicate if Long Idle State power is used in place of Sleep Mode power when calculating Typical Energy Consumption (TEC).	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category I3 Measured Power in Sleep at 115 V (W)	Required for Category I3 models tested at 115 V if model has User-activated Low-power Mode Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category I3 Measured Power in Sleep at 230 V (W)	Required for Category I3 models tested at 230 V if model has User-activated Low-power Behavior Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category I3 Measured Power in Long Idle at 115 V (W)	Required for Category I3 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category I3 Measured Power in Long Idle at 230 V (W)	Required for Category I3 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I3 Measured Power in Short Idle at 115 V (W)	Required for Category I3 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category I3 Additional Measured Power in Short Idle at 115 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category I3 models tested at 115 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 4 Min Value: 0	
Category I3 Measured Power in Short Idle at 230 V (W)	Required for Category I3 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I3 Additional Measured Power in Short Idle at 230 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category I3 models tested at 230 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 4 Min Value: 0	
Reported Category I3 TEC at 115 V (kWh)	Required for Category I3 models tested at 115 V. Provide the Typical Energy Consumption (TEC) which will appear on the ENERGY STAR list of certified products.	O	N	Decimal	No. of Decimal: 1	
Reported Category I3 TEC at 230 V (kWh)	Required for Category I3 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category I3 Base TEC	Required for Category I3 models.	O	N	Integer	Min Value:	

Allowance					14 Max Value: 135	
Category I3 Functional Adder Allowances (kWh)	Required for Category I3 models. If no capability adjustments, indicate zero.	O	N	Decimal	No. of Decimal: 1	
Category I3 Maximum TEC Requirement (Etec max) (kWh)	Required for Category I3 models. If no functional adders, indicate Base TEC Allowance.	O	N	Decimal	No. of Decimal: 1	
Category D1 Operating System Name	Required for Category D1 models.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Android • Chrome • iOS • Linux • Mac OS X • Mac OS X Server • Other • Solaris 10 • Solaris 9 • Unix • Windows 2000 • Windows 7 • <u>Windows 8</u> • Windows 10 • Windows CE • Windows Home Server • Windows Server 2008 • Windows XP
Category D1 Operating System Name Other	Required for Category D1 models if Operating System Name is Other.	O	N	Text	Max Length: 1000	

Category D1 Processor Brand	Required for Category D1 models. For Product Type Slate/Tablet, Processor Brand will not be included on certified product list.	O	N	Enumeration Data		<ul style="list-style-type: none"> • AMD • Intel • IBM • Sun • VIA • Other
Category D1 Processor Name	Required for Category D1 models. For Product Type Slate/Tablet, Processor Name will not be included on certified product list.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Athlon • Athlon 64 • Atom • Celeron • Core i3 • Core i5 • Core i7 • Core2 Duo • Core2 Quad • <u>Core M</u> • FX • Geode • Itanium • Itanium 2 • Nano • Neo • Opteron • Other • Pentium • Pentium D • Pentium IV

						<ul style="list-style-type: none"> • Phenom X3 • Phenom X4 • Ryzen 3 • Ryzen 5 • Ryzen 7 • Xeon
Category D1 Processor Name Other	Required for Category D1 models if Category D1 Processor Name is Other. For Product Type Slate/Tablet, Processor Name Other will not be included on certified product list.	O	N	Text	Max Length: 1000	
Category D1 Multi-Channel Memory Support	Required for Category D1 models. Report yes if installed processor supports four or more memory channels.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D1 Installed System Memory RAM (GB)	Required for Category D1 models. Provide the memory actually installed in the model tested, not the maximum supported.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D1 Graphics Category	Required for Category D1 models.	O	N	Enumeration Data		<ul style="list-style-type: none"> • G1 • G2 • G3 • G4 • G5 • G6 • G7
Category D1 Switchable Graphics Enabled by Default in Ac Mode	Not applicable for Category D1 models.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D1 Capable of Switchable Graphics in Battery Mode	Not applicable for Category D1 models.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D1 Primary	Required for Category D1 models.	O	N	Decimal	No. of	

Discrete Graphics Frame Buffer Bandwidth (GB/s)					Decimal: 1	
Category D1 Primary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category D1 models.	O	N	Integer		
Category D1 Secondary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category D1 models when a device has a secondary discrete graphics device installed.	O	N	Decimal	No. of Decimal: 1	
Category D1 Secondary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category D1 models when a device has a secondary discrete graphics device installed.	O	N	Integer		
Category D1 Gigabit Ethernet Ports (count)	Required for Category D1 models.	O	N	Integer	Min Value: 0	
Category D1 Energy Efficient Ethernet (EEE)	Required for Category D1 models. Indicate if Energy Efficient Ethernet is supported.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D1 Number of Storage Drives	Required for Category D1 models.	O	N	Integer	Min Value: 0	
Category D1 Number of Integrated Displays (count)	Required for Category D1 if integrated display allowance is applicable.	O	N	Integer		
Category D1 Integrated Display Resolution (megapixels)	Required for Category D1 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category D1 Integrated Display Viewable Screen Area (sq in)	Required for Category D1 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category D1 Enhanced Performance Display Present	Required if for Category D1 Enhanced-performance Display allowance is applicable.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D1 Enhanced Perform Disp Diagonal Vble Screen Size (in)	Required if for Category D1 Enhanced-performance Display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	

Category D1 Internal/External Pwr Supply Efficiency at 10% Load	Required if for Category D1 Power Supply Efficiency allowance is included in test report.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D1 Internal Power Supply Efficiency at 20% Load	Required if for Category D1 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D1 Internal Power Supply Efficiency at 50% Load	Required if for Category D1 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D1 Internal Power Supply Efficiency at 100% Load	Required if for Category D1 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D1 External Power Supply Average Efficiency	Required if for Category D1 Power Supply Efficiency allowance is applicable. Provide the simple average of efficiency at 25%, 50%, 75%, and 100% load.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D1 External/Internal Power Supply Rated Power (W)	Required for Category D1 models. Provide the nameplate output power which is the power output of the power supply as specified on the manufacturer's label on the power supply housing or, if absent from the housing, as specified in documentation provided by the manufacturer.	O	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category D1 Physical CPU Cores (count)	Required for Category D1 models. Provide the number of physical - not logical - CPU cores. For Product Type Slate/Tablet, Physical CPU Cores will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category D1 CPU Packages (count)	Required for Category D1 models. Provide the number of CPUs/packages. For Product Type Slate/Tablet, CPU Packages will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category D1 CPU Base	Required for Category D1 models. Provide the base CPU clock speed, not the	O	N	Decimal	No. of	

Clock Speed (GHz)	burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Base Clock Speed will not be included on certified product list.				Decimal: 1 Min Value: 0.0	
Category D1 CPU Maximum Clock Speed (GHz)	Required for Category D1 models. Provide the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Maximum Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D1 Storage Technology	Required for Category D1 models. Provide the storage technology. Hard Disk Drive includes hybrid hard disk drives with flash component.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Hard Disk Drive • Solid State Drive • Other
Category D1 Storage Technology Other	Required if Category D1 Storage Technology is Other.	O	N	Text	Max Length: 1000	
Category D1 Performance Score	Required for Category D1 models. Performance Score is the product of Category D1 Physical CPU Cores and Category D1 CPU Clock Speed in GHz.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D1 Proxy Support	Required for Category D1 models. This is a manufacturer-reported parameter. On Mac computers, "Wake for network access" enabled within the Energy Saver/Power Adapter Preferences signifies Base Capability or better. On Windows computers, "ARP Offload" or "NS Offload" or similar enabled within the Advanced Properties of the Network Interface Card (accessed through the Device Manager) signifies Base Capability or better. OEM can provide further guidance on how to confirm Proxy Support.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Conventional • Base Capability • Remote Wake • Service Discovery/Name Services • Full Capability
Category D1 Measured Power in Off at 115 V (W)	Required for Category D1 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D1 Measured Power in Off at 230 V (W)	Required for Category D1 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D1 User-activated Low-power Mode Enabled by Default	Required for Category D1 models. Indicate if model offers Sleep Mode enabled by default or another low-latency user-activated mode or state that preserves machine state.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Off Mode with Hibernation • Sleep Mode

						<ul style="list-style-type: none"> Connected Sleep Other None
Category D1 User-activated Low-power Mode Enabled by Dflt Other	Required if Category D1 User-activated Low-power Mode Enabled by Default is Other.	O	N	Text	Max Length: 1000	
Category D1 Long Idle State Pwr Used in Place of Sleep Mode Pwr	Required for Category D1 models. Indicate if Long Idle State power is used in place of Sleep Mode power when calculating Typical Energy Consumption (TEC).	O	N	Enumeration Data		<ul style="list-style-type: none"> Yes No
Category D1 Measured Power in Sleep at 115 V (W)	Required for Category D1 models tested at 115 V if model has User-activated Low-power Mode Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category D1 Measured Power in Sleep at 230 V (W)	Required for Category D1 models tested at 230 V if model has User-activated Low-power Behavior Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category D1 Measured Power in Long Idle at 115 V (W)	Required for Category D1 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category D1 Measured Power in Long Idle at 230 V (W)	Required for Category D1 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D1 Measured Power in Short Idle at 115 V (W)	Required for Category D1 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category D1 Additional Measured Power in Short Idle at 115 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category D1 models tested at 115 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 1 Min Value: 0	
Category D1 Measured Power in Short Idle at 230 V (W)	Required for Category D1 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D1 Additional Measured Power in Short Idle at 230 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category D1 models tested at 230 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 1 Min Value: 0	

Reported Category D1 TEC at 115 V (kWh)	Required for Category D1 models tested at 115 V. Provide the Typical Energy Consumption (TEC) which will appear on the ENERGY STAR list of certified products.	O	N	Decimal	No. of Decimal: 1	
Reported Category D1 TEC at 230 V (kWh)	Required for Category D1 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D1 Base TEC Allowance	Required for Category D1 models.	O	N	Integer	Min Value: 14 Max Value: 135	
Category D1 Functional Adder Allowances (kWh)	Required for Category D1 models. If no capability adjustments, indicate zero.	O	N	Decimal	No. of Decimal: 1	
Category D1 Maximum TEC Requirement (Etec max) (kWh)	Required for Category D1 models. If no functional adders, indicate Base TEC Allowance.	O	N	Decimal	No. of Decimal: 1	
Category D2 Operating System Name	Required for Category D2 models.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Android • Chrome • iOS • Linux • Mac OS X • Mac OS X Server • Other • Solaris 10 • Solaris 9 • Unix • Windows 2000 • Windows 7 • <u>Windows 8</u> • Windows 10 • Windows CE • Windows Home Server

						<ul style="list-style-type: none"> • Windows Server 2008 • Windows XP
Category D2 Operating System Name Other	Required for Category D2 models if Operating System Name is Other.	O	N	Text	Max Length: 1000	
Category D2 Processor Brand	Required for Category D2 models. For Product Type Slate/Tablet, Processor Brand will not be included on certified product list.	O	N	Enumeration Data		<ul style="list-style-type: none"> • AMD • Intel • IBM • Sun • VIA • Other
Category D2 Processor Name	Required for Category D2 models. For Product Type Slate/Tablet, Processor Name will not be included on certified product list.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Athlon • Athlon 64 • Atom • Celeron • Core i3 • Core i5 • Core i7 • Core2 Duo • Core2 Quad • <u>Core M</u> • <u>FX</u> • Geode • Itanium • Itanium 2 • Nano • Neo

						<ul style="list-style-type: none"> • Opteron • Other • Pentium • Pentium D • Pentium IV • Phenom X3 • <u>Phenom X4</u> • <u>Ryzen 3</u> • <u>Ryzen 5</u> • <u>Ryzen 7</u> • Xeon
Category D2 Processor Name Other	Required for Category D2 models if Category D2 Processor Name is Other. For Product Type Slate/Tablet, Processor Name Other will not be included on certified product list.	O	N	Text	Max Length: 1000	
Category D2 Multi-Channel Memory Support	Required for Category D2 models. Report yes if installed processor supports four or more memory channels.	<u>O</u>	<u>N</u>	Enumeration Data		<ul style="list-style-type: none"> • <u>Yes</u> • <u>No</u>
Category D2 Installed System Memory RAM (GB)	Required for Category D2 models. Provide the memory actually installed in the model tested, not the maximum supported.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D2 Graphics Category	Required for Category D2 models.	O	N	Enumeration Data		<ul style="list-style-type: none"> • G1 • G2 • G3 • G4 • G5 • G6 • G7

Category D2 Switchable Graphics Enabled by Default in Ac Mode	Not applicable for Category D2 models.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D2 Capable of Switchable Graphics in Battery Mode	Not applicable for Category D2 models.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D2 Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category D2 models.	O	N	Decimal	No. of Decimal: 1	
Category D2 Discrete Graphics Frame Buffer Data Width (bits)	Required for Category D2 models.	O	N	Integer		
Category D2 Secondary Discrete Graphics Frame Buffer Bandwidth (GB/s)	Required for Category D2 models when a device has a secondary discrete graphics device installed.	O	N	Decimal	No. of Decimal: 1	
Category D2 Secondary Discrete Graphics Frame Buffer Data Width (bits)	Required for Category D2 models when a device has a secondary discrete graphics device installed.	O	N	Integer		
Category D2 Gigabit Ethernet Ports (count)	Required for Category D2 models.	O	N	Integer	Min Value: 0	
Category D2 Energy Efficient Ethernet (EEE)	Required for Category D2 models. Indicate if Energy Efficient Ethernet is supported.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D2 Number of Storage Drives	Required for Category D2 models.	O	N	Integer	Min Value: 0	
Category D2 Number of Integrated Displays (count)	Required for Category D2 if integrated display allowance is applicable.	O	N	Integer		
Category D2 Integrated Display Resolution (megapixels)	Required for Category D2 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category D2 Integrated Display Viewable Screen Area (sq in)	Required for Category D2 if integrated display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	

Category D2 Enhanced Performance Display Present	Required if for Category D2 Enhanced-performance Display allowance is applicable.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D2 Enhanced Perform Disp Diagonal Vble Screen Size (in)	Required if for Category D2 Enhanced-performance Display allowance is applicable. If multiple integrated displays, provide average.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00	
Category D2 Internal/External Pwr Supply Efficiency at 10% Load	Required if for Category D2 Power Supply Efficiency allowance is included in test report.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D2 Internal Power Supply Efficiency at 20% Load	Required if for Category D2 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D2 Internal Power Supply Efficiency at 50% Load	Required if for Category D2 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D2 Internal Power Supply Efficiency at 100% Load	Required if for Category D2 internal power supply is present.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D2 External Power Supply Average Efficiency	Required if for Category D2 Power Supply Efficiency allowance is applicable. Provide the simple average of efficiency at 25%, 50%, 75%, and 100% load.	O	N	Decimal	No. of Decimal: 2 Min Value: 0.00 Max Value: 1.00	
Category D2 External/Internal Power Supply Rated Power (W)	Required for Category D2 models. Provide the nameplate output power which is the power output of the power supply as specified on the manufacturer's label on the power supply housing or, if absent from the housing, as specified in documentation provided by the manufacturer.	O	N	Decimal	No. of Decimal: 1 Min Value: 0	

Category D2 Physical CPU Cores (count)	Required for Category D2 models. Provide the number of physical - not logical - CPU cores. For Product Type Slate/Tablet, Physical CPU Cores will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category D2 CPU Packages (count)	Required for Category D2 models. Provide the number of CPUs/packages. For Product Type Slate/Tablet, CPU Packages will not be included on certified product list.	O	N	Integer	Min Value: 0	
Category D2 CPU Base Clock Speed (GHz)	Required for Category D2 models. Provide the base CPU clock speed, not the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Base Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D2 CPU Maximum Clock Speed (GHz)	Required for Category D2 models. Provide the burst, turbo, maximum, temporary, or intermittent clock speed. For Product Type Slate/Tablet, CPU Maximum Clock Speed will not be included on certified product list.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D2 Storage Technology	Required for Category D2 models. Provide the storage technology. Hard Disk Drive includes hybrid hard disk drives with flash component.	O	Y	Enumeration Data		<ul style="list-style-type: none"> • Hard Disk Drive • Solid State Drive • Other
Category D2 Storage Technology Other	Required if Category D2 Storage Technology is Other.	O	N	Text	Max Length: 1000	
Category D2 Performance Score	Required for Category D2 models. Performance Score is the product of Category D2 Physical CPU Cores and Category D2 CPU Clock Speed in GHz.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	
Category D2 Proxy Support	Required for Category D2 models. This is a manufacturer-reported parameter. On Mac computers, "Wake for network access" enabled within the Energy Saver/Power Adapter Preferences signifies Base Capability or better. On Windows computers, "ARP Offload" or "NS Offload" or similar enabled within the Advanced Properties of the Network Interface Card (accessed through the Device Manager) signifies Base Capability or better. OEM can provide further guidance on how to confirm Proxy Support.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Conventional • Base Capability • Remote Wake • Service Discovery/Name Services • Full Capability
Category D2 Measured Power in Off at 115 V (W)	Required for Category D2 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1 Min Value: 0.0	

Category D2 Measured Power in Off at 230 V (W)	Required for Category D2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D2 User-activated Low-power Mode Enabled by Default	Required for Category D2 models. Indicate if model offers Sleep Mode enabled by default or another low-latency user-activated mode or state that preserves machine state.	O	N	Enumeration Data		<ul style="list-style-type: none"> • Off Mode with Hibernation • Sleep Mode • Connected Sleep • Other • None
Category D2 User-activated Low-power Mode Enabled by Default Other	Required if Category D2 User-activated Low-power Mode Enabled by Default is Other.	O	N	Text	Max Length: 1000	
Category D2 Long Idle State Pwr Used in Place of Sleep Mode Pwr	Required for Category D2 models. Indicate if Long Idle State power is used in place of Sleep Mode power when calculating Typical Energy Consumption (TEC).	O	N	Enumeration Data		<ul style="list-style-type: none"> • Yes • No
Category D2 Measured Power in Sleep at 115 V (W)	Required for Category D2 models tested at 115 V if model has User-activated Low-power Mode Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category D2 Measured Power in Sleep at 230 V (W)	Required for Category D2 models tested at 230 V if model has User-activated Low-power Behavior Enabled by Default. Report power in the User-activated Low-power Mode Enabled by Default, if applicable.	O	N	Decimal	No. of Decimal: 1	
Category D2 Measured Power in Long Idle at 115 V (W)	Required for Category D2 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category D2 Measured Power in Long Idle at 230 V (W)	Required for Category D2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D2 Measured Power in Short Idle at 115 V (W)	Required for Category D2 models tested at 115 V.	O	N	Decimal	No. of Decimal: 1	
Category D2 Additional Measured Power in Short Idle at 115 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category D2 models tested at 115 V. The display brightness for this additional measurement shall be 150cd/m sq.	O	N	Decimal	No. of Decimal: 1	

Category D2 Measured Power in Short Idle at 230 V (W)	Required for Category D2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D2 Additional Measured Power in Short Idle at 230 V (W)	Required if Product Type is Notebook or Two-In-One Notebook for Category D2 models tested at 230 V. The display brightness for this additional measurement shall be 150cd/m sq.	0	N	Decimal	No. of Decimal: 1 Min Value: 0	
Reported Category D2 TEC at 115 V (kWh)	Required for Category D2 models tested at 115 V. Provide the Typical Energy Consumption (TEC) which will appear on the ENERGY STAR list of certified products.	O	N	Decimal	No. of Decimal: 1	
Reported Category D2 TEC at 230 V (kWh)	Required for Category D2 models tested at 230 V.	O	N	Decimal	No. of Decimal: 1	
Category D2 Base TEC Allowance	Required for Category D2 models.	O	N	Integer	Min Value: 14 Max Value: 135	
Category D2 Functional Adder Allowances (kWh)	Required for Category D2 models. If no capability adjustments, indicate zero.	O	N	Decimal	No. of Decimal: 1	
Category D2 Maximum TEC Requirement (Etec max) (kWh)	Required for Category D2 models. If no functional adders, indicate Base TEC Allowance.	O	N	Decimal	No. of Decimal: 1	