



Hewlett Packard HPE Support Center Enterprise

HPE StoreEasy 1660 Storage - Specifications

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System specifications

Specification Description

HPE StoreEasy 1660 Storage Common Specifications (All SKUs)

Specification	Description				
Memory installed	<table border="0"> <tr> <td>HPE StoreEasy 1660</td> <td>HPE StoreEasy 1660 Expanded</td> </tr> <tr> <td> <ul style="list-style-type: none"> 16GB </td> <td> <ul style="list-style-type: none"> 32GB </td> </tr> </table>	HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded	<ul style="list-style-type: none"> 16GB 	<ul style="list-style-type: none"> 32GB
HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded				
<ul style="list-style-type: none"> 16GB 	<ul style="list-style-type: none"> 32GB 				
Internal drive support	<ul style="list-style-type: none"> 12 x LFF (3.5 in) Hot-plug front drive bays standard 4 x LFF Hot-plug rear drive cage standard 				
Processor	1 x Intel Xeon-Silver 4110 (2.1 GHz/8-core/85 W); 2nd processor optional				
Network ports standard	<table border="0"> <tr> <td>HPE StoreEasy 1660</td> <td>HPE StoreEasy 1660 Expanded</td> </tr> <tr> <td> <ul style="list-style-type: none"> 4 x 1 GbE </td> <td> <ul style="list-style-type: none"> 2 x 1 GbE </td> </tr> </table>	HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded	<ul style="list-style-type: none"> 4 x 1 GbE 	<ul style="list-style-type: none"> 2 x 1 GbE
HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded				
<ul style="list-style-type: none"> 4 x 1 GbE 	<ul style="list-style-type: none"> 2 x 1 GbE 				
Network adapter	Embedded; optional PCIe NICs				
Expansion slots	5 x PCIe				
Cooling	<table border="0"> <tr> <td>HPE StoreEasy 1660</td> <td>HPE StoreEasy 1660 Expanded</td> </tr> <tr> <td> <ul style="list-style-type: none"> 6 Hot-plug, high performance redundant fans </td> <td> <ul style="list-style-type: none"> 10 fans </td> </tr> </table>	HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded	<ul style="list-style-type: none"> 6 Hot-plug, high performance redundant fans 	<ul style="list-style-type: none"> 10 fans
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Processor/cache memory	<table border="0"> <tr> <td>HPE StoreEasy 1660</td> <td>HPE StoreEasy 1660 Expanded</td> </tr> <tr> <td> <ul style="list-style-type: none"> Q2P72B, 73B, 74B, 75B only: Intel Xeon-Bronze3204(1.9 GHz/6-core/85 W)processor Q2P72A, 73A, 74A, 75A only: Intel Xeon-Bronze3104(1.7 GHz/6-core/85 W) processor Q2P71B only: Intel Xeon-Silver 4208(2.1 GHz/8-core/85 W) processor Q2P71A only: Intel Xeon-Silver 4112(2.6 GHz/4-core/85 W)processor </td> <td> <ul style="list-style-type: none"> HPE StoreEasy 1660 Expanded: Intel Xeon-Silver 4110(2.1 GHz/8-core/85 W)processor </td> </tr> </table>	HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded	<ul style="list-style-type: none"> Q2P72B, 73B, 74B, 75B only: Intel Xeon-Bronze3204(1.9 GHz/6-core/85 W)processor Q2P72A, 73A, 74A, 75A only: Intel Xeon-Bronze3104(1.7 GHz/6-core/85 W) processor Q2P71B only: Intel Xeon-Silver 4208(2.1 GHz/8-core/85 W) processor Q2P71A only: Intel Xeon-Silver 4112(2.6 GHz/4-core/85 W)processor 	<ul style="list-style-type: none"> HPE StoreEasy 1660 Expanded: Intel Xeon-Silver 4110(2.1 GHz/8-core/85 W)processor
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System fans	<table border="0"> <tr> <td>HPE StoreEasy 1660</td> <td>HPE StoreEasy 1660 Expanded</td> </tr> <tr> <td> <ul style="list-style-type: none"> 6 hot-plug, high performance, redundant fans, standard </td> <td> <ul style="list-style-type: none"> 10 Hot-plug, high performance redundant fans standard </td> </tr> </table>	HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded	<ul style="list-style-type: none"> 6 hot-plug, high performance, redundant fans, standard 	<ul style="list-style-type: none"> 10 Hot-plug, high performance redundant fans standard
HPE StoreEasy 1660	HPE StoreEasy 1660 Expanded				
<ul style="list-style-type: none"> 6 hot-plug, high performance, redundant fans, standard 	<ul style="list-style-type: none"> 10 Hot-plug, high performance redundant fans standard 				
Power cords	Two high voltage power cords (IECC13 to C14) standard				
Security	2U Lockable security Bezel; Trusted Platform Module (TPM) 2.0 optional				

Specification	Description			
	HPE StoreEasy 1660 Performance Storage (Q2P71B)	HPE StoreEasy 1660 Storage (Q2P72B, Q2P73B, Q2P74B, and Q2P75B)	HPE StoreEasy 1660 Performance Storage (Q2P71A)	HPE StoreEasy 1660 Storage (Q2P72A, Q2P73A, Q2P74A, and Q2P75A)
Processor	1 x Intel Xeon-Silver 4208 (2.1 GHz/8-core/85 W) processor; 2nd processor optional	1 x Intel Xeon-Bronze 3204 (1.9 GHz/6-core/85 W) processor; 2nd processor optional	1 x Intel Xeon-Silver 4112 (2.6 GHz/4-core/85 W) processor; 2nd processor optional	1 x Intel Xeon-Bronze 3104 (1.7 GHz/6-core/85 W) processor; 2nd processor optional
Memory type	1 x HPE 16GB dual rank x8 DDR4-2933 CAS-21-21-21 registered smart memory	1 x HPE 16GB dual rank x8 DDR4-2933 CAS-21-21-21 registered smart memory	1 x HPE 16GB dual rank x8 DDR4-2666 CAS-19-19-19 registered smart memory	1 x HPE 16GB dual rank x8 DDR4-2666 CAS-19-19-19 registered smart memory

	Description			
Specification	HPE StoreEasy 1660 Performance Storage (Q2P71B)	HPE StoreEasy 1660 Storage (Q2P72B, Q2P73B, Q2P74B, and Q2P75B)	HPE StoreEasy 1660 Performance Storage (Q2P71A)	HPE StoreEasy 1660 Storage (Q2P72A, Q2P73A, Q2P74A, and Q2P75A)
Network adapter	HPE Ethernet 1Gb 4-port 366FLR FlexLOM adapter; optional PCIe NICs	HPE Ethernet 1Gb 4-port 366FLR FlexLOM adapter; optional PCIe NICs	Embedded; optional FlexLOM adapter or PCIe NICs	Embedded; optional FlexLOM adapter or PCIe NICs
Expansion slots	3 x PCIe; optional 3-slot secondary riser	3 x PCIe; optional 3-slot secondary riser	3 x PCIe (Two available); optional 3-slot secondary riser	3 x PCIe (Two available); optional 3-slot secondary riser
Security	2U Lockable security Bezel; TPM 2.0 optional	2U Lockable security Bezel and TPM 2.0		

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Physical specifications

Specification	Description
Dimensions (H x W x D)	HPE StoreEasy 1660 <ul style="list-style-type: none"> • LFF Drives: 8.73 x 44.54 x 73.02 cm (3.44 x 17.54 x 28.75 in)
	HPE StoreEasy 1660 Expanded <ul style="list-style-type: none"> • 8.75 x 44.80 x 82.55 cm (3.44 x 17.63 x 32.50 in)
Weight (Approximate)	HPE StoreEasy 1660 <p>Maximum: 12 LFF hard drives (No rear drives), 2x processors, 2x power supplies, 1x smart array, 2x risers installed)</p> <ul style="list-style-type: none"> • Maximum: 24.5 kg (54 lb)
	HPE StoreEasy 1660 Expanded <ul style="list-style-type: none"> • Minimum:40.60 kg (89.51 lb)

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Electrical specifications

Specification	Description
Input requirements	Rated line voltage <ul style="list-style-type: none"> • 100 to 120 V ac • 200 to 240 V ac
	Rated inputfrequency
Rated inputpower	HPE StoreEasy 1660 <ul style="list-style-type: none"> • < 899 W (At 100 V ac); < 864 W (At 240 V ac)
	HPE StoreEasy 1660 Expanded <ul style="list-style-type: none"> • < 1734 W (At 200 V ac); < 1725 W (At 240 V ac)
BTU Rating	HPE StoreEasy 1660 <ul style="list-style-type: none"> • 3067 BTU/hr (At 100 V ac); 2949 BTU/hr (At 240 V ac)
	HPE StoreEasy 1660 Expanded <ul style="list-style-type: none"> • 5918 BTU/hr (At 200 V ac); 5884 BTU/hr (At 240 V ac)
Power supply output	HPE StoreEasy 1660 <ul style="list-style-type: none"> • Maximum Rated OutputWattage Rating (Watts): 800 W (At 100 V ac); 800 W (At 240 V ac)
	HPE StoreEasy 1660 Expanded <ul style="list-style-type: none"> • Rated Steady-State Power: 1600 W (At 200 V ac); 1600 W (At 240 V ac)
Power	2 x 1600 W Platinum hot-plug redundant

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Environmental specifications

Specification	Description
System inlet temperature	Standard operating temperature 10° to 35° C (50° to 95° F)

SpecificationDescription

Extended ambient operating support	5° to 10° C (41° to 50° F) and 35° to 40° C (95° to 104° F)
Non-Operating temperature	-30° to 60°C (-22° to 140°F). Maximum rate of change is 20°C/hr (36°F/hr)
Operating relative humidity	8% to 90% - Relative humidity), 28°C maximum wet bulb temperature, Non-Condensing.
Non-Operating relative humidity	5 to 95% relative humidity, 38.7°C (101.7°F) maximum wet bulb temperature, Non-Condensing.
Operating altitude	3050 m (10,000 ft)
Non-Operating altitude	9144 m (30,000 ft)

Listed are the declared A-Weighted sound power levels (LWAd) and declared average bystander position A-Weighted sound pressure levels (LpAm) when the product is operating in a 23°C ambient environment. Noise emissions were measured in accordance with ISO 7779 (ECMA 74) and declared in accordance with ISO 9296 (ECMA 109). The listed sound levels apply to standard shipping configurations. Additional options may result in increased sound levels. Please have users Hewlett Packard Enterprise representative provide information from the HPE EMESC website for further technical details regarding the configurations listed below.

Product	Configuration SKU	Entry	Performance
Acoustic noise	Idle		
	LWAd	4.8 B	4.6 B
	LpAm	37 dBA	31 dBA
	Operating		
	LWAd	4.8 B	4.6 B
	LpAm	37 dBA	31 dBA
HPE StoreEasy 1660	Idle		
	LWAd	5.1 B	5.2 B
	LpAm	35 dBA	36 dBA
	Operating		
	LWAd	5.3 B	5.26 B
	LpAm	36 dBA	45 dBA
HPE StoreEasy 1660 Expanded	Idle		
	LWAd	5.1 B	5.2 B
	LpAm	35 dBA	36 dBA
	Operating		
	LWAd	5.3 B	5.26 B
	LpAm	36 dBA	45 dBA

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Safety certifications

Specification Description

Emissions Classification (EMC)	To view the regulatory information for users product, view the safety and compliance information for server, storage, power, networking, and rack products, available at the Hewlett Packard Enterprise Support Center for Enterprise Safety and Compliance .
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