



Hewlett Packard HPE Support Center Enterprise

HPE ProLiant ML110 Gen9 Server - Specifications

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Physical specifications

Specification	Description
Tower dimensions (H x W x D)	44 x 19.5 x 48.05 cm (17.32 x 7.68 x 18.92 in)
Tower weight (Approximate)	<ul style="list-style-type: none"> • Maximum: 24.9 kg (55 lb) • Minimum: 12.5 kg (27.56 lb)

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Technical specifications

HPE Dynamic Smart Array B140i Controller

Number of PCI links	Four
PCI link rate	4 Gb/s
Storage protocol support	SATA
SAS/SATA peak data transfer rate	6 Gb/s
Number of SAS/SATA links	10 links
SAS/SATA connectivity	2 x 4 connectors; 2 x 1 connectors
Expander support	No
Drives supported (Max)	Up to 10 internal drives
RAID support	0, 1, 10, 5 SATA
Software management	HPE SSA, SMH, SIM
Warranty	Server warranty
HPE Secure Encryption license	Not supported
HPE Smart Cache license	Not supported
HPE Smart storage administrator	Supported

HPE Ethernet 1Gb2-port 330i Adapter

Network interface	10Base-T/100Base-TX/1000Base-TX
Data transfer method	PCI express, two lanes (x2)
Controller	BCM5717
Connector	RJ-45
Compatibility	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T • IEEE 802.3ab 1000Base-T • IEEE 802.3u 100Base-TX
Network transfer rate	<ul style="list-style-type: none"> • 10Base-T (Half-Duplex) - 10 Mb/s per port, 40 Mb/s combined • 10Base-T (Full-Duplex) - 20 Mb/s per port, 80 Mb/s combined

- 100Base-TX (Half-Duplex) - 100 Mb/s per port, 400 Mb/s combined
- 100Base-TX (Full-Duplex) - 200 Mb/s per port, 800 Mb/s combined
- 1000Base-TX(Half-Duplex) - 1000 Mb/s per port, 4000 Mb/s combined
- 1000Base-TX(Full-Duplex) - 2000 Mb/s per port, 8000 Mb/s combined

Cable support	10 Base-T: Categories 3, 4 or 5 UTP; up to 328 ft (100 m) 10/100/1000 Base-TX: Category 5 or higher UTP; up to 328 ft (100 m)
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Electrical specifications

Specification	Description
Rated line voltage	100 to 240 V ac
Rated input current	For 350 and 550 W power supply: 8 A (At 100~240 V ac)
Rated input frequency	50 to 60 Hz
Rated input power	<ul style="list-style-type: none"> • 550 W power supply: <ul style="list-style-type: none"> ◦ < 639 W (At 100 V ac) ◦ < 605 W (At 200 V ac) • 350 W power supply: <ul style="list-style-type: none"> ◦ < 427 W (At 100 V ac) ◦ < 427 W (At 200 V ac)
BTU rating	<ul style="list-style-type: none"> • 550 W power supply: <ul style="list-style-type: none"> ◦ 2204 BTU/hr (At 100 V ac) ◦ 2113 BTU/hr (At 200 V ac) • 350 W power supply: <ul style="list-style-type: none"> ◦ 1452 BTU/hr (At 100 V ac) ◦ 1544 BTU/hr (At 200 V ac)
Rated steady - state power	For 550 W Power Supply: <ul style="list-style-type: none"> • 550 W (At 100 V ac) • 550 W (At 200 V ac)
Maximum peak power	For 350 W Power Supply: <ul style="list-style-type: none"> • 350 W (At 100 V ac) • 350 W (At 200 V ac)

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Environmental specifications

Specification	Description
Operating temperature	10° to 35°C (50° to 95°F)
Extended ambient operating support	Minimum: 5° to 10°C (41° to 50°F) Maximum: 35° to 40°C (95° to 104°F)
Non-operating temperature	-30° to 60°C (-22° to 140°F)
Operating relative humidity	8% to 90% non-condensing
Non-operating relative humidity	5% to 95% non-condensing
Operating altitude	3048 m (10,000 ft)
Non-operating altitude	9144 m (30,000 ft)

Acoustics noise

Specification	Description				
Idle	<table border="0"> <tr> <td style="vertical-align: top;">L WAd</td> <td style="vertical-align: top;">L pAm</td> </tr> <tr> <td> <ul style="list-style-type: none"> • 3.6 Bels (LFF non hot-plug base) • 3.6 Bels (LFF hot-plug base) • 4.1 Bels (LFF hot-plug performance) </td> <td> <ul style="list-style-type: none"> • 21 dBA (LFF Non hot-plug base) • 21 dBA (LFF Hot-plug base) • 27 dBA (LFF Hot-plug performance) </td> </tr> </table>	L WAd	L pAm	<ul style="list-style-type: none"> • 3.6 Bels (LFF non hot-plug base) • 3.6 Bels (LFF hot-plug base) • 4.1 Bels (LFF hot-plug performance) 	<ul style="list-style-type: none"> • 21 dBA (LFF Non hot-plug base) • 21 dBA (LFF Hot-plug base) • 27 dBA (LFF Hot-plug performance)
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Operating	<table border="0"> <tr> <td style="vertical-align: top;">L WAd</td> <td style="vertical-align: top;">L pAm</td> </tr> <tr> <td> <ul style="list-style-type: none"> • 3.6 Bels (LFF non hot-plug base) • 3.7 Bels (LFF hot-plug base) • 4.2 Bels (LFF hot-plug performance) </td> <td> <ul style="list-style-type: none"> • 21 dBA (LFF non hot-plug base) • 21 dBA (LFF hot-plug base) • 25 dBA (LFF hot-plug performance) </td> </tr> </table>	L WAd	L pAm	<ul style="list-style-type: none"> • 3.6 Bels (LFF non hot-plug base) • 3.7 Bels (LFF hot-plug base) • 4.2 Bels (LFF hot-plug performance) 	<ul style="list-style-type: none"> • 21 dBA (LFF non hot-plug base) • 21 dBA (LFF hot-plug base) • 25 dBA (LFF hot-plug performance)
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Safety certifications

Specification	Description
FCC rating	Class B
Normative standards	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22;K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1

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