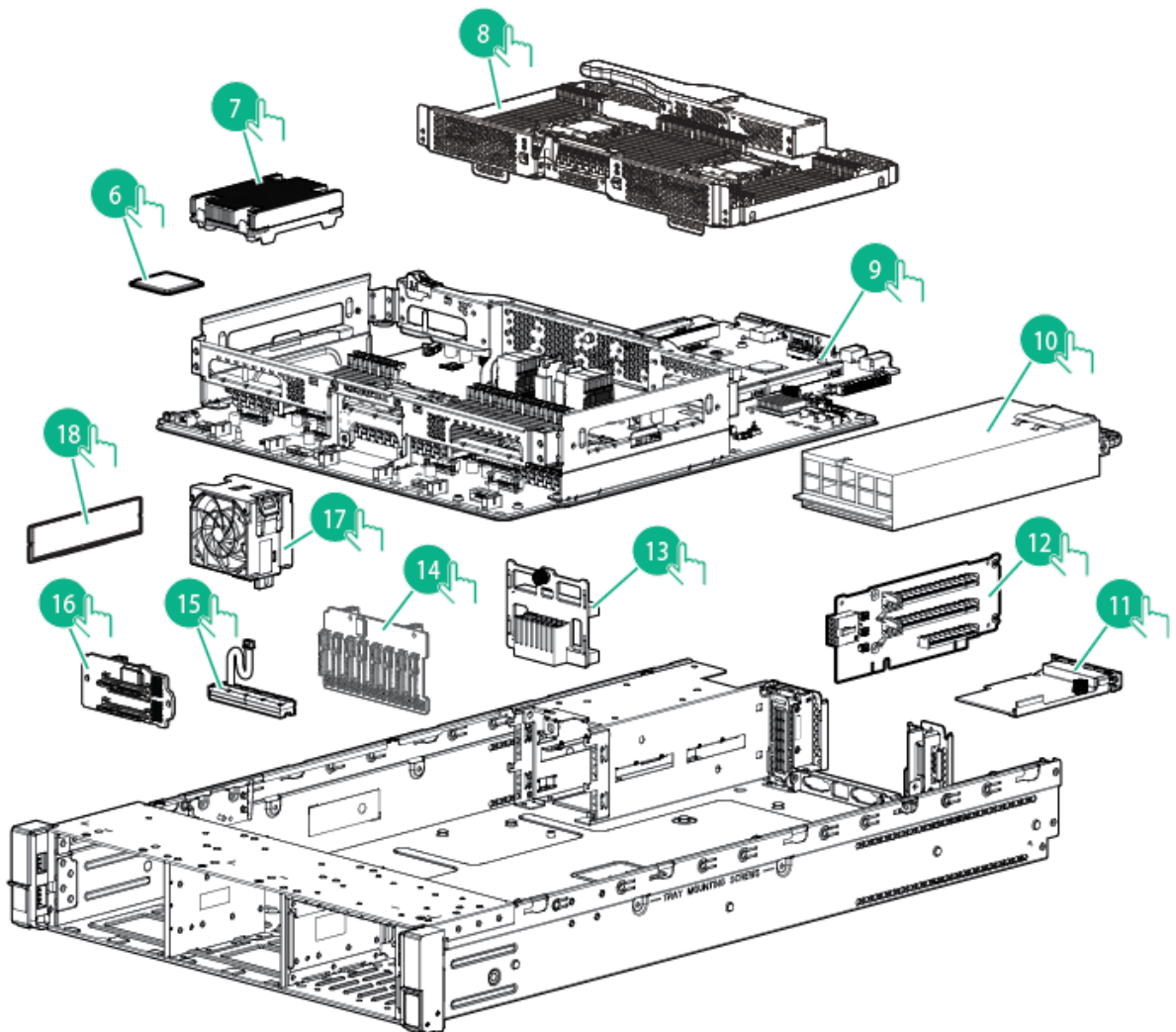


HPE ProLiant DL560 Gen9 Server



System components



Item	Description	Spare part number	Customer self repair
6	Processors	—	—
	Intel Xeon E5-4600 v3 processors	—	—
	a) 2.1-GHz Intel Xeon processor E5-4660 v3 120 W	791911-001	Optional ²
	b) 2.1-GHz Intel Xeon processor E5-4650 v3 105 W*	791912-001	Optional ²
	c) 1.9-GHz Intel Xeon processor E5-4640 v3 105 W*	791913-001	Optional ²
	d) 2.0-GHz Intel Xeon processor E5-4620 v3 105 W*	791914-001	Optional ²
	e) 1.7-GHz Intel Xeon processor E5-4610 v3 105 W*	791915-001	Optional ²

	f) 2.1-GHz Intel Xeon processor E5-4669 v3 135 W*	791916-001	Optional ²
	g) 2.0-GHz Intel Xeon processor E5-4667 v3 135 W*	791917-001	Optional ²
	h) 2.5-GHz Intel Xeon processor E5-4627 v3 135 W*	791918-001	Optional ²
	i) 2.3-GHz Intel Xeon processor E5-4655 v3 135 W*	791919-001	Optional ²
	Intel Xeon E5-4600 v4 processors	—	—
	a) 2.5-GHz Intel Xeon processor E5-4660 v4 120 W*	852381-001	Optional ²
	b) 2.4-GHz Intel Xeon processor E5-4650 v4 105 W*	852380-001	Optional ²
	c) 2.3-GHz Intel Xeon processor E5-4640 v4 105 W*	852379-001	Optional ²
	d) 2.4-GHz Intel Xeon processor E5-4620 v4 105 W*	852378-001	Optional ²
	e) 1.8-GHz Intel Xeon processor E5-4610 v4 105 W*	852377-001	Optional ²
	f) 2.5-GHz Intel Xeon processor E5-4669 v4 135 W*	852385-001	Optional ²
	g) 2.5-GHz Intel Xeon processor E5-4667 v4 135 W*	852384-001	Optional ²
	h) 3.2-GHz Intel Xeon processor E5-4627 v4 135 W*	852382-001	Optional ²
	i) 3.2-GHz Intel Xeon processor E5-4655 v4 135 W*	852383-001	Optional ²
7	Heatsink, standard efficiency	812911-001	Optional ²
8	Processor/memory mezzanine tray	812910-001	Mandatory ¹
9	System board assembly	812907-001	Optional ²
10	Power Supplies	—	—
	a) Power supply, hot-plug 1200 W, Platinum Plus	748896-001	Mandatory ¹
	b) Power supply, hot-plug 1500 W Platinum Plus*	704604-001	Mandatory ¹
	c) Power supply, hot-plug 1500 W -48 VDC Common Slot*	794734-001	Mandatory ¹
11	FlexibleLOM	—	—
	a) HPE 1GbE 4-port, 331FLR Adapter FIO Kit	634025-001	Mandatory ¹
	b) HPE 10GbE 2-port, 530FLR Adapter FIO Kit*	649869-001	Mandatory ¹
	c) HPE Flexfabric 10Gb 2-port, 554FLR-SFP+ Adapter FIO Kit*	634026-001	Mandatory ¹
	d) HPE InfiniBand FDR/EN 10/40Gb 2-port, 544FLR-QSFP Adapter*	656090-001	Mandatory ¹
	e) HPE InfiniBand QDR/EN 10Gb 2-port, 544FLR-QSFP Adapter*	656091-001	Mandatory ¹
12	PCIe riser board	—	—
	a) PCIe riser board, primary 3-slot, x8	777281-001	Optional ²
	b) PCIe riser board, secondary 3-slot, x8	777283-001	Optional ²
13	Power supply backplane	662528-001	Mandatory ¹
14	SAS backplane, 8SFF 12 Gbs	777279-001	Optional ²
15	HPE Smart Storage Battery	750450-001	Optional ²
16	SAS backplane, 2SFF	777280-001	Optional ²
17	Hot-plug fan module	777286-001	Mandatory ¹
18	DIMMs	—	—
	DIMMs designed for Intel Xeon E5-4600 v3 processors	—	—
	a) 8 GB, 1Rx4, PC4-2133R	774170-001	Mandatory ¹
	b) 8 GB, 2Rx8, PC4-2133R*	774171-001	Mandatory ¹
	c) 16 GB, 2Rx4, PC4-2133R*	774172-001	Mandatory ¹
	d) 16 GB, 2Rx4, PC4-2133L*	774173-001	Mandatory ¹
	e) 32 GB, 4Rx4, PC4-2133L*	774174-001	Mandatory ¹
	DIMMs designed for Intel Xeon E5-4600 v4 processors	—	—
	a) 8 GB, PC4-2400R, 1Gx72	819410-001	Mandatory ¹
	b) 16 GB, PC4-2400T-R, 2Gx72	819411-001	Mandatory ¹
	c) 16 GB, PC4-2400R, 2Gx72	846740-001	Mandatory ¹
	d) 32 GB, PC4-2400T	819412-001	Mandatory ¹

	e) 32 GB, PC4-2400T-L, 4Gx72	819414-001	Mandatory ¹
19	SAS drives	—	—
	a) 800 GB 12G SAS SFF, VE, SC EV	762749-001	Mandatory ¹
	b) 1.6-TB 12G SAS SFF, VE, SC, EV*	762751-001	Mandatory ¹
	c) 600 GB 12G SAS 10K SFF, SC HDD*	781577-001	Mandatory ¹
	d) 1.2-TB 12G SAS 10K SFF, SC HDD*	781578-001	Mandatory ¹
	e) 300 GB 12G SAS 10K SFF, SC, HDD*	785410-001	Mandatory ¹
	f) 900 GB 12G SAS 10K SFF, SC HDD*	785411-001	Mandatory ¹
	g) 1.8-TB, 12G SAS 10K SFF, SC 512e format, HDD*	791055-001	Mandatory ¹
	h) 300 GB 12G SAS 15K SFF, SC HDD*	759546-001	Mandatory ¹
	i) 450 GB 12G SAS 15K SFF, SC*	759547-001	Mandatory ¹
	j) 600 GB 12G SAS 15K SFF SC HDD*	759548-001	Mandatory ¹
	k) 200 GB 12G SAS SFF, MLC, SC, VE*	780430-001	Mandatory ¹
	l) 400 GB 12G SAS SFF, MLC, SC, EM, SSD*	780432-001	Mandatory ¹
	m) 800 GB 12G SAS SFF, ME, EM, SC, SSD*	780434-001	Mandatory ¹
	n) 1.6-TB 12G SAS SFF, ME, EM, SC, SSD*	780436-001	Mandatory ¹
	o) 200 GB 12G SAS SFF, WI, SC, SSD*	802905-001	Mandatory ¹
	p) 400 GB 12G SAS SFF, WI, SC, SSD*	802907-001	Mandatory ¹
	q) 800 GB 12G SAS SFF, WI, SC, SSD*	802909-001	Mandatory ¹
	r) 1.9-TB 12G SAS SFF, RI, SC, SSD*	802911-001	Mandatory ¹
	s) 1.2-TB 6G SAS 10K Dual Port, SC, SSD*	718292-001	Mandatory ¹
	t) 600 GB 12G SAS 15K SFF, SC, 512e format, HDD*	748387-001	Mandatory ¹
	u) 1-TB 12G SAS 7.2k SFF, 512e format, SC, HDD*	765872-001	Mandatory ¹
	v) 2-TB 12G SAS 7.2K SFF, 512e format, SC, HDD*	765873-001	Mandatory ¹
	w) 200 GB 12G SAS SFF, ME, SC, EM, SSD*	741224-001	Mandatory ¹
	x) 400 GB 12G SAS SFF, ME, SC, EM, SSD*	741226-001	Mandatory ¹
	y) 800 GB 12G SAS SFF, ME, SC, EM, SSD*	741228-001	Mandatory ¹
	z) 300 GB 6G SAS 10K SFF, SC, HDD*	653955-001	Mandatory ¹
	aa) 450 GB 6G SAS 10K SFF, SC, HDD*	653956-001	Mandatory ¹
	bb) 600 GB 6G SAS 10K SFF, SC, HDD*	653957-001	Mandatory ¹
	cc) 900 GB 6G SAS 10K SFF, SC, HDD*	653971-001	Mandatory ¹
	dd) 146 GB 6G SAS 15K SFF, SC, HDD*	653950-001	Mandatory ¹
	ee) 500 GB 6G SAS 7.2K SFF, SC, MDL, HDD*	653953-001	Mandatory ¹
	ff) 1-TB 6G SAS 7.2K SFF, SC, MDL, HDD*	653954-001	Mandatory ¹
	gg) 400 GB 6G SATA SFF, LE, SC, EL, SSD*	768268-001	Mandatory ¹
20	SATA drives	—	—
	a) 1-TB 6G SATA 7.2K SFF, 512e format, SC, HDD*	765868-001	Mandatory ¹
	b) 2-TB 6G SATA 7.2k SFF, 512e format, SC, HDD*	765869-001	Mandatory ¹
	c) 120 GB 6G SATA SFF, VE, EV, M1, SSD*	765013-001	Mandatory ¹
	d) 240 GB 6G SATA SFF VE, SC, EV, M1, SSD*	765014-001	Mandatory ¹
	e) 480 GB 6G SATA SFF, VE, SC, EV, M1, SSD*	765015-001	Mandatory ¹
	f) 800 GB 6G SATA SFF, VE, SC, EV, M1, SSD*	765016-001	Mandatory ¹
	g) 100 GB 6G SATA SFF, ME, SC, EM, SSD*	692164-001	Mandatory ¹
	h) 200 GB 6G SATA SFF, ME, SC, EM, SSD*	692165-001	Mandatory ¹
	i) 400 GB 6G SATA SFF, ME, SC, EM, SSD*	692166-001	Mandatory ¹
	j) 800 GB 6G SATA SFF, ME, SC, EM, SSD*	692167-001	Mandatory ¹
	k) 120 GB 6G SATA SFF, VE, SC, EB SSD*	718136-001	Mandatory ¹
	l) 80 GB 6G SATA SFF, SC, EB, SSD*	734562-001	Mandatory ¹
	m) 240 GB 6G SATA SFF, VE, SC, EV, SSD*	718137-001	Mandatory ¹
	n) 480 GB 6G SATA SFF, VE, SC, EV, SSD*	718138-001	Mandatory ¹
	o) 800 GB 6G SATA SFF, VE, SC, EV, SSD*	718139-001	Mandatory ¹
	p) 300 GB 6G SATA SFF, VE, SC, EV, SSD*	739954-001	Mandatory ¹
	q) 600 GB 6G SATA SFF, VE, SC, EV, SSD*	739959-001	Mandatory ¹

	r) 120 GB 6G SATA SFF, VE, SC, EV, G1, SSD*	757361-001	Mandatory ¹
	s) 240 GB 6G SATA SFF, VE, SC, EV, G1, SSD*	757366-001	Mandatory ¹
	t) 480 GB 6G SATA SFF, VE, SC, EV, G1, SSD*	757371-001	Mandatory ¹
	u) 500 GB 6G SATA 7.2K SFF, SC, MDL, HDD*	656107-001	Mandatory ¹
	v) 1-TB 6G SATA 7.2K SFF, SC, MDL, HDD*	656108-001	Mandatory ¹
	w) 240 GB 6G SATA SFF, RI, SC, SSD*	789351-001	Mandatory ¹
	x) 480 GB 6G SATA SFF, RI, SC, SSD*	789356-001	Mandatory ¹
	y) 960 GB 6G SATA SFF, RI, SC, SSD*	789361-001	Mandatory ¹
	z) 960 GB 6G SATA SFF, LE, SC, EL, G1, SSD*	757231-001	Mandatory ¹
	aa) 1.6-TB 6G SATA SFF, VE, SC, EV, SSD*	757381-001	Mandatory ¹
21	Controllers	—	—
	a) HPE Smart Array P440ar Controller*	775413-001	Optional ²
	b) HPE H240ar Smart Host Bus Adapter*	749997-001	Optional ²
22	HP Trusted Platform Module*	505836-001	No ³
23	Power Modules	—	—
	a) Power module without Systems Insight Display*	812908-001	Optional ²
	b) Power module with Systems Insight Display*	812909-001	Optional ²
24	Cable kits	—	—
	a) Mini-SAS, hard drive backplane (Bay 1, Bay 3)*	812916-001	Mandatory ¹
	b) Mini-SAS, P440/Mini-SATA (Bay 1)*	812917-001	Mandatory ¹
	c) Mini-SAS, hard drive backplane/SCSIe (Bay 2)*	812918-001	Mandatory ¹
	d) Mini-SAS, hard drive backplane/slot 7 (Bay 3)*	812919-001	Mandatory ¹
	e) Mini-SAS/SATA (Bays 1 to 3)*	812920-001	Mandatory ¹
	f) Power/SFF hard drives (Bays 1 to 3)*	812921-001	Mandatory ¹
25	System battery, 3.3 V, lithium*	153099-001	Mandatory ¹

*Not shown

**All processors in this HPE ProLiant server must have the same cache size, speed, number of cores, and rated maximum power consumption.

¹Mandatory—Parts for which customer self repair is mandatory. If you request Hewlett Packard Enterprise to replace these parts, you will be charged for the travel and labor costs of this service.

²Optional—Parts for which customer self repair is optional. These parts are also designed for customer self repair. If, however, you require that Hewlett Packard Enterprise replace them for you, there may or may not be additional charges, depending on the type of warranty service designated for your product.

³No—Some Hewlett Packard Enterprise parts are not designed for customer self repair. In order to satisfy the customer warranty, Hewlett Packard Enterprise requires that an authorized service provider replace the part. These parts are identified as "No" in the Illustrated Parts Catalog.