





Hitachi Unified Compute Platform HC for VMware

UCP HC V225 Series							
Hardware							
Compute Nodes:		Hitachi Advanced Server DS225		2.1.1 V225G		2.3.2 V225G	
UCP HC Media Kit Version		V2.3		V2.1.1		V2.3.2	
UCP HC vSAN Ready Nodes Support (*)		V225G		V225G		V225G	
Release date		August 6, 2018		November 5, 2018		March 4, 2019	
Component	Version	Version	Version	Version	Version	Version	Notes
OS	14.23.1010	14.23.1010	14.23.1010	14.23.1010	14.23.1010	14.23.1010	
EMC	4.23.06	4.23.06	4.23.06	4.23.06	4.23.06	4.23.06	
GRID	14.23.00	14.23.00	14.23.00	14.23.00	14.23.00	14.23.00	
CPU Family	Siyahia	Siyahia	Siyahia	Siyahia	Siyahia	Siyahia	
Network Cards (Options)							
Intel X520-DAT 10GbE quad-port, OCP Mezz	Firmware: 3.20 Driver (ESK): 14.20.1010	Firmware: 3.20 Driver (ESK): 14.20.1010	Firmware: 3.20 Driver (ESK): 14.20.1010	Firmware: 3.20 Driver (ESK): 14.20.1010	Firmware: 3.20 Driver (ESK): 14.20.1010	Firmware: 3.20 Driver (ESK): 14.20.1010	Listed on VMware HCL as: "Intel Ethernet Connection X722 for 10GbE SFP"
Mellanox ConnectX-4 Lx EN 10/25GbE dual-port SFP28, OCP Mezz	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Listed on VMware HCL as: "Mellanox ConnectX-4 Lx EN Dual port" Fw 14.21.1000 supported with driver 4.16.12.12 Aispn driver
Mellanox ConnectX-4 Lx EN 10/25GbE dual-port SFP28, LP-MQZ (P0e)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Firmware: 1.3.0.0.0 Boot (PXE) ROM: 1.3.0.0.0 UEFI ROM: 1.4.23.0024 Intel® core driver (ESK): 3.16.0.0.1 (inbox driver)	Listed on VMware HCL as: "ConnectX-4 Lx EN NC, 25GbE, dual-port SFP28, (MCX4111A-ACAT)" Fw 14.21.1000 supported with driver 4.16.12.12 Aispn driver
I/O Controller							
LSI SAS 9208-16i (LP-MQZ)	Firmware: 15.00.00.00 Driver (ESK): 15.00.00.00, 10EM.650.0.0.4598673 (inbox driver)	Firmware: 15.00.00.00 Driver (ESK): 15.00.00.00, 10EM.650.0.0.4598673 (inbox driver)	Firmware: 15.00.00.00 Driver (ESK): 15.00.00.00, 10EM.650.0.0.4598673 (inbox driver)	Firmware: 15.00.00.00 Driver (ESK): 15.00.00.00, 10EM.650.0.0.4598673 (inbox driver)	Firmware: 15.00.00.00 Driver (ESK): 15.00.00.00, 10EM.650.0.0.4598673 (inbox driver)	Firmware: 15.00.00.00 Driver (ESK): 15.00.00.00, 10EM.650.0.0.4598673 (inbox driver)	Listed on VMware HCL as: "AS9300-16"
Drives for vSAN Cache and Capacity (Options)							
Intel SSD DC S4610 Series	Firmware: SCV10121	SCV10121	SCV10121	SCV10121	SCV10121	SCV10121	
Intel SSD DC S4610 Series	Firmware: N/A	N/A	N/A	N/A	N/A	N/A	
Intel SSD DC S4610 Series	Firmware: SCV10121	SCV10121	SCV10121	SCV10121	SCV10121	SCV10121	
Intel SSD DC S4610 Series	Firmware: N/A	N/A	N/A	N/A	N/A	N/A	
Samsung SATA SSD PM863a Series	Firmware: 6XT32M0	6XT32M0	6XT32M0	6XT32M0	6XT32M0	6XT32M0	
Samsung SATA SSD PM863a Series	Firmware: N/A	N/A	N/A	N/A	N/A	N/A	
GPU							
Nvidia Tesla M10	Nvidia Virtual GPU Software for vSphere	390.72	390.94	390.94	390.94	390.94	
Nvidia Tesla M40	Nvidia Virtual GPU Software for vSphere	390.72	390.94	390.94	390.94	390.94	NVIDIA Enterprise Portal for GRID drivers and software downloads (requires NVIDIA login) <a href="https://media.nvidia.com/operations/">https://media.nvidia.com/operations/</a>
Nvidia Tesla P40	Nvidia Virtual GPU Software for vSphere	390.72	390.94	390.94	390.94	390.94	
Nvidia Tesla V100	Nvidia Virtual GPU Software for vSphere	390.72	390.94	390.94	390.94	390.94	
Software							
Vendor	Component	Version	Version	Version	Version	Version	Notes
VMware	ESXi	6.5U2 (Build # 1294253)	6.5U2 EP 10 (Build # 1039014)	6.7U1 (Build # 1030268)	6.5U2 EP 10 (Build # 1039014)	6.7U1 EP (Build # 1074712)	
	ESXi vCenter (VCSA)	6.5U2 (Build # 8307701)	6.5U2 (Build # 9451637)	6.7U1 (Build # 10244745)	6.5U2 (Build # 9451637)	6.7U1 (Build # 10244745)	
	ESX	6.5.1.0	6.5.1.0	6.7.0	6.5.1.0	6.7.0	
	ESX	Note: For Update Manager either use the custom iso from Media Kit or the ESX offline bundle update from esxcli: esxcli software update profile update	Note: For Update Manager use the "VUM iso provided on Media Kit.	Note: For Update Manager use the "VUM iso provided on Media Kit.	Note: For Update Manager use the "VUM iso provided on Media Kit.	Note: For Update Manager use the "VUM iso provided on Media Kit.	Note: For Update Manager use the "VUM iso provided on Media Kit.
New features/improvements	Added support for: This is a new UCP HC with support for GP GPU.	Added support for: Support for ESXi/Center 6.5U2 EP 10	Added support for: Support for ESXi/Center 6.7U1	Added support for: Support for ESX 6.7U1 EP5	Added support for: Support for ESX 6.7U1 EP5	Added support for: Support for ESX 6.7U1 EP5	
(*) UCP HC V225 Series - vSAN Ready Node Models							
UCP HC V225G		SATA SSD for cache and Capacity					

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UCP HC V240/V240F (*)									
Hardware									
Compute Nodes UCP HC (Media Kit Version)	T415-2U (2U4N) 1 (V240 only)		1.1	2.0	3.0	4.0	5.0	6.0	
Release date	May 16, 2016		September 6, 2016	April 19, 2017	August 28, 2017	November 20, 2017	June 27, 2018	October 25, 2018	
Components	Versions	Versions	Versions	Versions	Versions	Versions	Versions	Versions	Versions
BIOS	S25_3A18	S25_3B06	S25_3B08.02	S25_3B08.02	S25_3B09.01	S25_3B10.02	S25_3B10.03	S25_3B10.03	S25_3B10.03
MEZ	3.39	3.47	3.53	3.53	3.59	3.64.00	3.66.00	3.66.00	3.66.00
CPUD	Rev 8	Rev 8	Rev 9	Rev 9	Rev 9	Rev 9	Rev 9	Rev 9	Rev 9
CMC	3.17.0_03	3.17.0_03	3.41.0_04	3.41.0_04	3.44.0_04	3.44.0_04	3.44.0_04	3.44.0_04	3.44.0_04
CPU Family	Haswell/Broadwell		Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell
Network Cards (Options)									
Intel Dual Port 10GigE SFP+ B2359E5 OCP Mezz Card, and PCI Card	Driver (ESM)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
Dual port 10GigE Base-T Intel i350 Mezz Card, and PCI Card	Driver (ESM)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
Dual port 10GigE Base-T Intel X540 Mezz Card, and PCI Card	Driver (ESM)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
Mellanox CX4 40/56GbE, Dual Port QSPF Mezz Card	Driver (ESM)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
I/O Controller									
LSI SAS 3308 Mezz Card	Firmware	1.803.19.00.00.00-IT	1.803.19.00.00.00-IT	1.803.19.00.00.00-IT	N/A	N/A	N/A	N/A	N/A
LSI SAS 3008 Mezz Card	Driver (ESM)	mp12sas version 19.00.00.00.1vmw	mp12sas version 19.00.00.00.1vmw	mp12sas version 19.00.00.00.1vmw	N/A	N/A	N/A	N/A	N/A
	Firmware	[1A12] 09.00.00.00	[1A12] 09.00.00.00	[1A12] 09.00.00.00	[1A12] 09.00.00.00	[1A12] 09.00.00.00	[1A12] 09.00.00.00	[1A12] 09.00.00.00	[1A12] 09.00.00.00
	Driver (ESM)	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]	[ls_mpt2sas version 19.00.00.00-1C8M] [lsyn driver]
Drives for vSAN Cache and Capacity (Options)									
Intel® SSD DC S3700 Series	Firmware	1C9V10265	1C9V10265	N/A	N/A	N/A	N/A	N/A	N/A
Intel® SSD DC S3710 Series	Firmware	G2010140	G2010140	G2010140	G2010140	G2010140	G2010140	G2010140	G2010140
Samsung SSD PM863a	Firmware	N/A	GXT5204Q	GXT5204Q	GXT5204Q	GXT5204Q	GXT5204Q	GXT5204Q	GXT5204Q
Seagate SAS HDD 15k rpm, 3.5 inch	Firmware	0002	0002	0002	0002	0002	0002	0002	0002
Software									
Vendor	Component	Version	Version	Version	Version	Version	Version	Version	Version
VMware	ESXi	6.0 U2 (Build # 1802779)	6.0 U2 (Build # 1802779)	6.5 (Build # 1310518)	6.5 U1 (Build # 1989103)	6.5 U1 (Build # 1765664)	6.0 U2 (Build # 1802779)	6.5 U2 EP 10 (Build # 10390116)	6.7 U1J-10382608
	vCenter (VCSA)	6.0 U2 (Build # 1802779)	6.0 U2 (Build # 1802779)	6.5 (Build # 1310518)	6.5 U1 (Build # 1973132)	6.5 U1 (Build # 1973132)	6.0 U1J-30500-7977753	6.5 U1J (Build # 965167)	6.7 U-10344745
	vSAN	6.2	6.2	6.6	6.6.1	6.6.1	6.6.1	6.6.1 EP 10	6.7.0 U1

(\*) End of Sale

Hitachi Unified Compute Platform HC for VMware

UCP HC V210/V210F (*)								
Hardware								
Compute Nodes:		D51B-2U (2U1N)						
UCP HC (Media Kit Version)		1.0	2.0	3.0	4.0	5.0	6.0	
Release date		January 1, 2017	April 19, 2017	July 17, 2017	August 15, 2017	December 18, 2017	25-Oct-18	
Components	Versions	Versions	Versions	Versions	Versions	versions	versions	
BIOS	S25_3809.01	S25_3809.01	S25_3809.01	S25_3809.01	S25_3809.01	S2B_3810.03	S2B_3810.03#8	
BMC	3.51	3.51	3.51	3.51	3.63	3.66	3.66	
CPU ID	09	Rev 9	Rev 9	Rev 9	Rev 9	Rev 9	Rev 9	
CPU Family	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	Haswell/Broadwell	
Network Cards (Options)								
Intel Dual Port 10GigE SFP+ 82599ES OCP Mezz Card, and PCI Card	Driver (ESXi)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
Dual port 10GigE Base-T Intel I350 Mezz Card	Driver (ESXi)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
Dual port 10GigE Base-T Intel X540 Mezz Card, and PCI Card	Driver (ESXi)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
Mellanox CX3 40/56GbE, Dual Port QSFP	Driver (ESXi)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)	(inbox driver)
I/O Controller								
LSI SAS 3008 Mezz Card	Firmware	(1A12) 09.00.00.00	(1A12) 09.00.00.00	(1A12) 09.00.00.00	(1A12) 09.00.00.00	(1A12) 09.00.00.00	(1A12) 09.00.00.00	(1A12) 09.00.00.00
	Driver (ESXi)	<a href="#">lsi_mega3 version 10.00.00.00-1OEM (Asyn driver)</a>	<a href="#">lsi_mega3 version 10.00.00.00-1OEM (Asyn driver)</a>	<a href="#">lsi_mega3 version 10.00.00.00-1OEM (Asyn driver)</a>	<a href="#">lsi_mega3 version 10.00.00.00-1OEM (Asyn driver)</a>	<a href="#">lsi_mega3 version 10.00.00.00-1OEM (Asyn driver)</a>	<a href="#">lsi_mega3 version 10.00.00.00-1OEM (Asyn driver)</a>	<a href="#">lsi_mega3 version 10.00.00.00-1OEM (Asyn driver)</a>
Drives for vSAN Cache and Capacity (Options)								
Intel® SSD DC S3700 Series	Firmware	SDV10265	SDV10265	N/A	N/A	N/A	N/A	N/A
Intel® SSD DC S3710 Series	Firmware	G2010140	G2010140	G2010140	G2010140	G2010140	G2010140	G2010140
Samsung SSD PM883a	Firmware	N/A	GXT5204Q	GXT5204Q	GXT5204Q	GXT5204Q	GXT5204Q	GXT5204Q
Seagate SAS HDD 10k rpm, 2.5 inch	Firmware	0002	0002	0002	0002	0002	0002	0002
Seagate SASIII HDD 7200 rpm, 3.5 inch	Firmware	E001	E002	E002	E002	E002	E002	E002
Software								
Vendor	Component	Versions						
VMware	ESXi	6.0 U2 (Build # 4600944)	6.0 U3 (Build # 5050593)	6.5 (Build # 5310538)	6.5 U1 (Build # 5969303)	6.5 U1 (Build # 6765664)	6.5U2 EP 10 (Build # 10390116)	6.7.0U1-10302608
	vCenter (VCSA)	6.0 U2 (Build # 3634788)	6.0 U3a (Build # 5326117)	6.5 (Build # 5318154)	6.5 U1 (Build # 5973321)	6.5 U1 (Build # 5973321)	6.5U2c (Build # 9451637)	6.7.0-10244745
	vSAN	6.2	6.2 U3	6.6	6.6.1	6.6.1	6.6.1 EP 10	6.7.0U1
						Note: On the Media kit, there is a specific package to update the vSphere via Update Manager	Note: On the Media kit, there is a specific package to update the vSphere via Update Manager	Note: On the Media kit, there is a specific package to update the vSphere via Update Manager

(\*) End-of-Sale