









Cisco Unified Computing Systems Hardware



UCS C-Series							Virtual Interface Cards	
	C200 M2	C210 M2	C250 M2	C260 M2	C460 M1	C460 M2	M81KR Virtual Interface Card	P81E Virtual Interface Card
Form Factor								
Max Sockets	2	2	2	2	4	4	Blade - Mezzanine	Rack - PCIe
Processor	Intel Xeon 5500/5600 [1]			Intel Xeon E7-2800	Intel Xeon 7500	Intel Xeon E7-4800		PCIe Version 2 x 8
Clock Speed	4C/2.00(E5504), 4C/2.13(E5606), 4C/1.86(L5609), 4C/2.40(E5620), 4C/2.66(E5640), 4C/2.13(L5630), 4C/2.26(L5640), 6C/2.53(E5649), 6C/2.66(X5650), 6C/2.93(X5670), 6C/3.06(X5675)	4C/2.00(E5504), 4C/2.13(E5606), 4C/1.86(L5609), 4C/2.40(E5620), 4C/2.66(E5640), 4C/2.13(L5630), 4C/2.26(L5640), 6C/2.53(E5649), 6C/2.66(X5650), 6C/2.93(X5670), 6C/3.06(X5675)	4C/2.66(E5640), 6C/2.53(E5649), 6C/2.66(X5640), 6C/2.93(X5670), 6C/3.06(X5675), 6C/3.33(X5680), 6C/3.46(X5690)	6C/1.73(E72803), 8C/2.13(E72830), 10C/2.00(E72850), 10C/2.26(E72860), 10C/2.40(E72870)	4C/1.86(E7520), 8C/1.86(L7555), 6C/2.00(E7540), 8C/2.00(X7550), 8C/2.26(X7560), 8C/2.67(X7542)	6C/1.86(E74807), 8C/2.13(E74830), 10C/2.00(E74850), 10C/2.26(E74860), 10C/2.4(E74870)	10 Gigabit Ethernet, IEEE 802.3ae, IEEE 802.3x, IEEE 802.1q VLAN, IEEE 802.1p, IEEE 802.1Qaz, IEEE 802.1Qbb, jumbo frames up to 9 KB, FCP (SCSI-FCP), and T11 FCoE	10 Gigabit Ethernet, IEEE 802.3ae, IEEE 802.3x, IEEE 802.1q VLAN, IEEE 802.1p, IEEE 802.1Qaz, IEEE 802.1Qbb, jumbo frames up to 9 KB, FCP (SCSI-FCP), and T11 FCoE
Memory	192 GB (12)	192 GB (12)	384 GB (48)	1024 GB (64)	1024 GB (64) [5]	1024 GB (64)		128 MB of Memory
Network Ports	dual GbE	dual GbE	dual GbE	dual GbE, dual 10Gb SFP+	dual GbE, dual 10Gb	dual GbE, dual 10Gb	2x10-Gbps FCoE ports	2x10-Gbps FCoE ports
Int Disks	Four LFF/500GB SATA, 146GB 15K, 1TB SAS 7.2K, 2TB SAS 7.2K, 300GB SAS 15K, 450GB SAS 15K Eight SFF/500GB SATA 7.2K, 73GB 15K SAS, 146GB 10K SAS, 146GB 15K SAS, 300GB 10K SAS, 600GB 10K SAS, 1TB 7.2K SATA	Sixteen 73GB 6G 15K, 146GB 6G 10K, 146GB 6G 15K, 300GB 6G 10K, 500GB SATA, 500GB 6G SATA, 600GB 6G 10K, 1TB SATA	Eight 73GB 15K, 146GB 10K, 146GB 15K, 300GB 10K, 500GB 10K, 500GB 1TB SATA, 600GB 10K	Sixteen 146GB 15K, 300GB 10K, 600GB 10K, 500GB SATA	Twelve Drives; SAS: 73GB 15K, 146GB 15K, 300GB 10K, 600GB 10K SATA: 1TB 7.2K, 500GB 7.2K	Twelve Drives; SAS: 73GB 15K, 146GB 15K, 300GB 10K, 600GB 10K SATA: 1TB 7.2K, 500GB 7.2K	10 Gbps line rate per port	10 Gbps line rate per port
RAID	RAID 0,1,5,6,10 / BBWC [6] LSI 1064E (LFF) / LSI 1068E (SFF) LSI 6G 9260-4i 512WC (LFF) LSI 6G 9260-8i 512WC (SFF)	RAID 0,1,5,6,10,60 / BBWC LSI 1064E LSI 6G 9261-8i 512WC	RAID 0,1,5,6,10,60 / BBWC LSI SAS3081E-R LSI 6G 9261-8i 512WC	RAID 0,1,5,6,50,60 BBWC	LSI 9240-8i RAID 0,1,10 LSI 9260-8i 512WC RAID 0,1,5,6,10,50,60	LSI 9240-8i RAID 0,1,10 LSI 9260-8i 512WC RAID 0,1,5,6,10,50,60	Length = 7.25 in (18.4 cm) Width = 3.65 in (9.3 cm)	Length = 6.6 in (16.8 cm) Width = 4.37 in (11.1 cm)
Power Supply	N+N (2) 650W PSU	N+N (2) 650W PSU	N+N (2) 850W PSU	N+N (2) 1200W PSU	N+N (4) 850W PSU	N+N (4) 850W PSU	18 watts (W)	22 watts (W)
PCI Slots	2 half-length PCIe x8: 1 full height, 1 low profile	5 full height PCIe x8: 2 full length, 3 half length	5 PCIe Slots: 3 low profile x8 2 full height, half length x16	6 PCIe Slots: 3 low profile, half-length PCIe x8; 2 full height, half-length x16; 1 low-profile, half length x4	10 full height PCIe slots: 4 half-length x4/x8; 6 three-quarter length x8/x16 Gen 2; 2 Gen1 slots, x4	10 full height PCIe slots: 4 half-length x4/x8; 6 three-quarter length x8/x16 Gen 2; 2 Gen1 slots, x4	128 virtual interfaces (~ 8 reserved for internal use)	128 virtual interfaces (Currently 2 FC and 16 Ethernet Virtual interfaces supported)
Connectors	DB-15 video, 4 USB 2.0, serial console, DB-9 serial port			DB-15, 4 USB 2.0, DB-9	2 VGA, 5 USB 2.0, serial port		UCS Manager 1.4	UCS Manager 1.4



UCS B-Series							UCS Chassis & Fabric Interconnect		
	B200 M2	B250 M2	B230 M1	B230 M2	B440 M1	B440 M2	6120XP	6140XP	
Form Factor	Half-width	Full-width	Half-width	Half-width	Full-width	Full-width	1U	2U	
Max Sockets	2	2	2	2	4	4	20 Ports	40 Ports	
Processor	Intel Xeon 5500/5600	Intel Xeon 5500/5600	Intel Xeon 6500/7500	Intel Xeon E7-2800	Intel Xeon 7500	Intel Xeon E7-4800	UCSM 1.4	UCSM 1.4	
Clock Speed	4C/2.40(E5620), 4C/2.26(L5640), 6C/2.66(X5650), 6C/3.06(X5675), 6C/3.46(X5690), 4C/2.66(X5550), 4C/2.26(E5520), 4C/2.26(L5520), 4C/2.0(E5504)	4C/2.66(E5640), 6C/2.53(E5649), 6C/2.93(X5670), 6C/3.33(X5680), 4C/2.93(X5570), 4C/2.53(E5540)	4C/1.73(E6510), 6C/2.00(E6540), 8C/2.00(X6550), 8C/2.26(X7560), 8C/1.86 (L7555)	6C/1.73(E72803), 8C/2.13(E72830), 10C/2.00(E72850), 10C/2.26(E72860), 10C/2.40(E72870)	4C/1.86(E7520), 8C/1.86(L7555), 6C/2.00(E7540), 8C/2.26(X7560), 6C/2.67(X7542)	6C/1.86(E74807), 8C/2.13(E74830), 10C/2.0(E74850), 10C/2.26(E74860), 10C/2.4(E74870)	Expansion Modules	6-port 8Gb FC, 8-port 4Gb FC, 6-port 10GbE, 4/4 10Gb+4Gb FC	6-port 8Gb FC, 8-port 4Gb FC, 6-port 10GbE, 4/4 10Gb+4Gb FC
Memory	192 GB (12)	384 GB (48)	256 GB (32)	512 GB (32)	512 GB (32)	512 GB (32)	5108 Chassis		
Bandwidth	20 Gbps	40 Gbps	20 Gbps	20 Gbps	40 Gbps	40 Gbps	6U - up to 8 half-width or 4 full-width, or any combination		
Int Disks	Two 73GB 15K, 146GB 10K, 146GB 15K, 300GB 10K, 600GB 10K	Two 73GB 15K, 146GB 10K, 146GB 15K, 300GB 10K, 600GB 10K	Two 32GB SSD, 64GB SSD	Two 32GB SSD, 64GB SSD	Four 73GB 15K, 146GB 15K, 300GB 10K, 600GB 10K	Four 73GB 15K, 146GB 15K, 300GB 10K, 600GB 10K			
RAID	RAID 0,1	RAID 0,1	RAID 0,1	RAID 0,1	RAID 0,1,5,6 BBWC	RAID 0,1,5,6 BBWC	Up to 2 - 2104XP 40Gb Fabric Extenders (FEX)		
Mezzanine	1	2	1	1	2	2	4 - 2500W PSU (N+N)		
Notes:	1. Key: Number of cores:clock speed in GHz (model number) - consult datasheet for list of all 5500 and 5600-series processors 2. C200 M2 will add a new drive cage (Q3FY11 - C200 M2 SFF) supporting eight 2.5" SFF SAS/SATA drives 3. C-Series includes both onboard SATA controller and optional LSI controllers (RAID 0/1 or RAID 0,1,5,6)				4. The B230 M2 supports 512 GB memory with qualification of 16GB DIMMs (32 GB Kits - 2x16 GB) 5. Expansion to 64 DIMM slots requires optional memory riser board (RC460-MRB), one per socket 6. RAID 60 is only supported on C200 M2 SFF				