



Alexander Open Systems

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 Design Architect: Pat Meighan
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Project Summary

Hardware Total	\$ 529,963.14
Maintenance Total	\$ 249,930.60
Subtotal	\$ 779,893.74
Shipping & Handling	\$ 7,798.94
Professional Services	\$ 9,700.00
OEM Services	\$ -
Project Total **	\$ 797,392.68

Quote No:

Project Name:

Scott County Iowa
 UCS & Invicta Project
 Two 24 TB Invicta with UCS Servers & UCS Director

Financing Options Available Upon Request

Date Prepared:	7/23/2014
Quote Valid Until:	8/22/2014

*If the above address is not the shipping address, please provide the proper address.

*Please reference the above Quote Number when sending in Customer PO.

**Plus Applicable Taxes, Travel, and Expenses

Part Number	Description	Lead Time	Qty	Unit	Price	Extended Price
HARDWARE / SOFTWARE						
UCS-SP7-B200-P	UCS SP7 B200 PERF 2x6296 1xCH 4xB200w/2x2680v2 256G		2			
UCS-SP-INFRA-CHSS	UCS SP BASE 5108 Blade Svr AC Chassis		2		5,433.75	10,867.50
N01-UAC1	Single phase AC power module for UCS 5108		2			
N20-CAK	Accessory kit for UCS 5108 Blade Server Chassis		2			
N20-CBLKB1	Blade slot blanking panel for UCS 5108/single slot		16			
N20-FAN5	Fan module for UCS 5108		16			
N20-FW011	UCS Blade Server Chassis FW Package 2.1		2			
UCS-IOM-2208XP	UCS 2208XP I/O Module (8 External, 32 Internal 10Gb Ports)		4			
UCSB-5108-PKG-HW	UCS 5108 Packaging for chassis with half width blades.		2			
UCSB-PSU-2500ACPL	2500W Platinum AC Hot Plug Power Supply for UCS 5108 Chassis		8			
CAB-C19-CBN	Cabinet Jumper Power Cord, 250 VAC 16A, C20-C19 Connectors		8			
UCS-SP7-INFRA-FI96	(Not sold standalone) UCS 6296UP 2RU Fabric Int w/18p LIC		4		5,220.00	20,880.00
CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America		8			
DS-SFP-FC8G-SW	8 Gbps Fibre Channel SW SFP+, LC		16			
N10-MGT011	UCS Manager v2.1		4			
SFP-10G-SR	10GBASE-SR SFP Module		8			
SFP-H10GB-CU3M	10GBASE-CU SFP+ Cable 3 Meter		24			
UCS-ACC-6296UP	UCS 6296UP Chassis Accessory Kit		4			
UCS-BLKE-6200	UCS 6200 Series Expansion Module Blank		12			
UCS-FAN-6296UP	UCS 6296UP Fan Module		16			
UCS-PSU-6296UP-AC	UCS 6296UP Power Supply/100-240VAC		8			
UCS-SP7-SR-B200-P	(Not a standalone SKU) B200M3 w/ 2xE52680B16x16GBVIC1240		8		8,232.87	65,862.96
N20-BBLKD	UCS 2.5 inch HDD blanking panel		16			
UCS-CPU-E52680B	2.80 GHz E5-2680 v2/115W 10C/25MB Cache/DDR3 1866MHz		16			
UCS-MR-1X162RZ-A	16GB DDR3-1866-MHz RDIMM/PC3-14900/dual rank/x4/1.5v		128			
UCSB-HS-01-EP	CPU Heat Sink for UCS B200 M3 and B420 M3		16			
UCSB-MLOM-40G-01	Cisco UCS VIC 1240 modular LOM for M3 blade servers		8			
UCS-EZ7-B200-P	UCS SP7 B200 PERF EXP w/ 2xE5-2680v2 256G VIC1240		2		8,140.00	16,280.00
N20-BBLKD	UCS 2.5 inch HDD blanking panel		4			
UCS-CPU-E52680B	2.80 GHz E5-2680 v2/115W 10C/25MB Cache/DDR3 1866MHz		4			
UCS-MR-1X162RZ-A	16GB DDR3-1866-MHz RDIMM/PC3-14900/dual rank/x4/1.5v		32			
UCSB-HS-01-EP	CPU Heat Sink for UCS B200 M3 and B420 M3		4			
UCSB-MLOM-40G-01	Cisco UCS VIC 1240 modular LOM for M3 blade servers		2			
UCSW-A-REPLICATE=	UCS Invicta C3124SA Asynchronous/Open Target Replication		2		6,300.00	12,600.00
UCSW-SA1-12T	UCS Invicta 12TB Scaling System Un-racked -K9		2		90,200.00	180,400.00
UCSW-SA-PALET	UCSW Invicta Unracked Packing Pallet		2			
UCSW-MC1M	UCS Invicta Mellanox cable up to 56Gb/s QSFP connectors		8			
UCSW-MC2M	UCS Invicta Mellanox cable up to 56Gb/s QSFP connectors		8			
UCSW-TR-MSX	UCS Invicta Scaling System Switched Config		2			
UCSW-C710R-U	UCS Invicta C710SR Router Un-racked for Scaling System -K9		2			
UCSW-PCIE-Q2564	Qlogic QLE2564 Quad Port 8Gb Fibre Channel HBA		2		1,444.17	2,888.34
CAB-C13-C14-1M	UCSW Whiptail Power Cord Jumper C13-C14 Connectors 1 Meter		4			
N20-BBLKD	UCS 2.5 inch HDD blanking panel		44			
UCS-CPU-E52630B	2.60 GHz E5-2630 v2/80W 6C/15MB Cache/DDR3 1600MHz		4			
UCS-MR-1X162RY-A	16GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v		8			
UCSC-HS-C240M3	Heat Sink for UCS C240 M3 Rack Server		4			
UCSC-PCIF-01F	Full height PCIe filler for C-Series		2			
UCSC-PSU2-1200	1200W 2u Power Supply For UCS		4			
UCSC-RAID-MZ-240	2008 Mezz Card for UCS C240 server HW TSOC For RAID 0/1/10		2			
UCSC-RAIL-2U	2U Rail Kit for UCS C-Series servers		2			
UCSW-PCIE-MX2GIB	Mellanox Connect-X MHQH29C-XTR QSFP IB 40GbS Server Adapter		6			
UCSW-SAR-OS5.X-K9	UCS Invicta Scaling System Router Operating System 5.x -K9		2			

UCSW-SD120G0KA2-C	UCS Invicta Micron M500 SSD 120GB	4		
UCSW-C710R-U	UCS Invicta C710SR Router Un-racked for Scaling System -K9	2		
UCSW-PCIE-Q2564	Qlogic QLE2564 Quad Port 8Gb Fibre Channel HBA	2	1,444.17	2,888.34
CAB-C13-C14-1M	UCSW Whiptail Power Cord Jumper C13-C14 Connectors 1 Meter	4		
N20-BBLKD	UCS 2.5 inch HDD blanking panel	44		
UCS-CPU-E52630B	2.60 GHz E5-2630 v2/80W 6C/15MB Cache/DDR3 1600MHz	4		
UCS-MR-1X162RY-A	16GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	8		
UCSC-HS-C240M3	Heat Sink for UCS C240 M3 Rack Server	4		
UCSC-PCIF-01F	Full height PCIe filler for C-Series	2		
UCSC-PSU2-1200	1200W 2u Power Supply For UCS	4		
UCSC-RAID-MZ-240	2008 Mezz Card for UCS C240 server HW TSOC For RAID 0/1/10	2		
UCSC-RAIL-2U	2U Rail Kit for UCS C-Series servers	2		
UCSW-PCIE-MX2GIB	Mellanox Connect-X MHQH29C-XTR QSFP IB 40GbS Server Adapter	6		
UCSW-SAR-OS5.X-K9	UCS Invicta Scaling System Router Operating System 5.x -K9	2		
UCSW-SD120G0KA2-C	UCS Invicta Micron M500 SSD 120GB	4		
UCSW-C3124N-6T-U	UCS Invicta C3124SN 6T Node Un-racked Scaling System -K9	2		
UCSW-DDUP-6T	UCS Invicta De-Dup Software for 6TB	2	6,300.00	12,600.00
CAB-C13-C14-1M	UCSW Whiptail Power Cord Jumper C13-C14 Connectors 1 Meter	4		
UCS-CPU-E52680B	2.80 GHz E5-2680 v2/115W 10C/25MB Cache/DDR3 1866MHz	4		
UCS-MR-1X162RY-A	16GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	32		
UCS-SD-32G-S	32GB SD Card for UCS servers	4		
UCSC-HS-C240M3	Heat Sink for UCS C240 M3 Rack Server	4		
UCSC-PCIF-01F	Full height PCIe filler for C-Series	4		
UCSC-PSU2-1200	1200W 2u Power Supply For UCS	4		
UCSC-RAIL-2U	2U Rail Kit for UCS C-Series servers	2		
UCSW-PCIE-MX2GIB	Mellanox Connect-X MHQH29C-XTR QSFP IB 40GbS Server Adapter	2		
UCSW-PCIE-NVRAM	UCS Invicta Netlist NVRAM card	2		
UCSW-SA-OS5.X-K9	UCS Invicta Scaling System Operating System 5.x -K9	2		
UCSW-SAS9207-8I	UCS Invicta PCIe Card SAS 6.0Gbps 8 port LSI HBA	2		
UCSW-SD240G0KA2-C	UCS Invicta Micron M500 SSD 240GB	48		
UCSW-C3124N-6T-U	UCS Invicta C3124SN 6T Node Un-racked Scaling System -K9	2		
UCSW-DDUP-6T	UCS Invicta De-Dup Software for 6TB	2	6,300.00	12,600.00
CAB-C13-C14-1M	UCSW Whiptail Power Cord Jumper C13-C14 Connectors 1 Meter	4		
UCS-CPU-E52680B	2.80 GHz E5-2680 v2/115W 10C/25MB Cache/DDR3 1866MHz	4		
UCS-MR-1X162RY-A	16GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	32		
UCS-SD-32G-S	32GB SD Card for UCS servers	4		
UCSC-HS-C240M3	Heat Sink for UCS C240 M3 Rack Server	4		
UCSC-PCIF-01F	Full height PCIe filler for C-Series	4		
UCSC-PSU2-1200	1200W 2u Power Supply For UCS	4		
UCSC-RAIL-2U	2U Rail Kit for UCS C-Series servers	2		
UCSW-PCIE-MX2GIB	Mellanox Connect-X MHQH29C-XTR QSFP IB 40GbS Server Adapter	2		
UCSW-PCIE-NVRAM	UCS Invicta Netlist NVRAM card	2		
UCSW-SA-OS5.X-K9	UCS Invicta Scaling System Operating System 5.x -K9	2		
UCSW-SAS9207-8I	UCS Invicta PCIe Card SAS 6.0Gbps 8 port LSI HBA	2		
UCSW-SD240G0KA2-C	UCS Invicta Micron M500 SSD 240GB	48		
UCSW-C3124N-6TEU	UCS Invicta C3124SN 6T Node Un-racked Add-on -K9	2	41,000.00	82,000.00
UCSW-DDUP-6T	UCS Invicta De-Dup Software for 6TB	2	6,300.00	12,600.00
CAB-C13-C14-1M	UCSW Whiptail Power Cord Jumper C13-C14 Connectors 1 Meter	4		
UCS-CPU-E52680B	2.80 GHz E5-2680 v2/115W 10C/25MB Cache/DDR3 1866MHz	4		
UCS-MR-1X162RY-A	16GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	32		
UCS-SD-32G-S	32GB SD Card for UCS servers	4		
UCSC-HS-C240M3	Heat Sink for UCS C240 M3 Rack Server	4		
UCSC-PCIF-01F	Full height PCIe filler for C-Series	4		
UCSC-PSU2-1200	1200W 2u Power Supply For UCS	4		
UCSC-RAIL-2U	2U Rail Kit for UCS C-Series servers	2		
UCSW-PCIE-MX2GIB	Mellanox Connect-X MHQH29C-XTR QSFP IB 40GbS Server Adapter	2		
UCSW-PCIE-NVRAM	UCS Invicta Netlist NVRAM card	2		
UCSW-SA-OS5.X-K9	UCS Invicta Scaling System Operating System 5.x -K9	2		
UCSW-SAS9207-8I	UCS Invicta PCIe Card SAS 6.0Gbps 8 port LSI HBA	2		
UCSW-SD240G0KA2-C	UCS Invicta Micron M500 SSD 240GB	48		
UCSW-C3124N-6TEU	UCS Invicta C3124SN 6T Node Un-racked Add-on -K9	2	42,000.00	84,000.00
CAB-C13-C14-1M	UCSW Whiptail Power Cord Jumper C13-C14 Connectors 1 Meter	4		
UCS-CPU-E52680B	2.80 GHz E5-2680 v2/115W 10C/25MB Cache/DDR3 1866MHz	4		
UCS-MR-1X162RY-A	16GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	32		
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UCSW-PCIE-NVRAM	UCS Invicta Netlist NVRAM card	2		
UCSW-SA-OS5.X-K9	UCS Invicta Scaling System Operating System 5.x -K9	2		
UCSW-SAS9207-8I	UCS Invicta PCIe Card SAS 6.0Gbps 8 port LSI HBA	2		
UCSW-SD240G0KA2-C	UCS Invicta Micron M500 SSD 240GB	48		
UCSW-DDUP-6T	UCS Invicta De-Dup Software for 6TB	2	6,300.00	12,600.00
UCS-SD-16G=	16GB SD Card module for UCS Servers	20	44.80	896.00

MAINTENANCE / SUPPORT

60 Months Smartnet Maintenance

CON-OSP-SPINFRAC	ONSITE 24X7X4 5108 Blade Server Chassis	2		396.50	793.00
CON-OSP-SP7F6296	ONSITE 24X7X4 TBD	4		2,940.20	11,760.80
CON-OSP-SP7B200P	ONSITE 24X7X4 TBD	8		468.18	3,745.44
CON-OSP-EZ7B200P	ONSITE 24X7X4 TBD	2		468.18	936.36
CON-SAS-REPLICA	UCS Invicta C3124SA System Replication	2		7,777.50	15,555.00
CON-OSP-SA112T	Null SKU--No line item services included	2			
CON-OSP-WTC720RU	UCS Invicta C710SR Router	2		8,835.00	17,670.00
CON-OSP-WTC720RU	UCS Invicta C710SR Router	2		8,835.00	17,670.00
CON-OSP-WT6TBU	UCS Invicta C3124SN 6T Node	2		18,150.00	36,300.00
CON-SAS-DDUP6TB	UCS Invicta De-dupe SW 6TB	2		4,575.00	9,150.00
CON-OSP-WT6TBU	UCS Invicta C3124SN 6T Node	2		18,150.00	36,300.00
CON-SAS-DDUP6TB	UCS Invicta De-dupe SW 6TB	2		4,575.00	9,150.00
CON-OSP-WT6TBEU	UCS Invicta C3124SN 6T Node	2		18,150.00	36,300.00
CON-SAS-DDUP6TB	UCS Invicta De-dupe SW 6TB	2		4,575.00	9,150.00
CON-OSP-WT6TBEU	UCS Invicta C3124SN 6T Node	2		18,150.00	36,300.00
CON-SAS-DDUP6TB	UCS Invicta De-dupe SW 6TB	2		4,575.00	9,150.00
CON-SAU-CUICSBUN2					

AOS PROFESSIONAL SERVICES

AOS-PRO-SERV	AOS Professional Services (Statement of Work Required)	1	FLAT FEE	9,700.00	9,700.00
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OEM SERVICES

AOS-TELTRON	Cisco Invicata Impelementation	2	N/C		
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Terms and Conditions

Customer signature constitutes agreement with all AOS Terms and Conditions, which may be found at <http://www.aos5.com/terms> in addition to any addendums shown on this quote.

To accept this quotation, please sign and return to Alexander Open Systems:

Customer Signature of Authorization

Printed Name

Title

Date