

<u>Qty</u>	<u>U/M</u>	<u>Description</u>
18	ea	Computers as specified or equal
18	ea	System warranty: 3 years parts & labor (12 month service and support contract same day or next day response, includes system imaging service for QTA disaster recovery) <u>Onsite</u> service with a 24 hour response time. The successful bidder will be responsible for integration of all hardware components (including components currently in use in the lab: monitors, audio and network devices), as well as software including operating system, and CG/multimedia software including titles from Adobe, Avid and Autodesk. The bidder will also work with the college's networking staff to connect units to the college's Avid ISIS network.

MAIN BOARD: *ASRock P67 EXTREME4 (B3)*

LGA 1155 Intel P67 SATA 6Gb/s USB 3.0 ATX Intel Motherboard

Brand ASRock

Model P67 EXTREME4 (B3)

CPU Socket

LGA 1155, Core i7 / i5 / i3 (LGA1155), North Bridge, Intel P67

Memory

Number of Memory Slots 4×240pin

Mem.Type

DDR3 2133(OC)/1866(OC)/1600/1333/1066

Mem.Max.

32GB, Dual Channel

Expansion Slots

PCI Express 2.0 x16

3 x PCI Express 2.0 x16 slots

(PCIe2/PCIe4: single at x16 or dual at x8/x8 mode; PCIe5: x4 mode)

PCI Express x1 ,2

PCI Slots, 2

Storage Dev.

SATA 3Gb/s 4

SATA 6Gb/s 2

SATA3 6.0 Gb/s support RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel Rapid Storage),
NCQ, AHCI and "Hot Plug" functions by P67

2 x SATA3 6.0 Gb/s connectors by Marvell SE9120, support NCQ, AHCI and "Hot Plug"
functions

SATA3_M2 connector is shared with eSATA3 port

SATA RAID

0/1/5/10

Onboard Audio

Realtek ALC892

Audio Channels

8 Channels, 7.1 CH HD Audio with Content Protection

(Realtek ALC892 Audio Codec)

THX TruStudio PROTM and Premium Blu-ray audio support

Onboard LAN

LAN Chipset Realtek 8111E

Max LAN Speed

10/100/1000Mbps

Rear Panel Ports

2 x PS/2, 2

USB 1.1/2.0

6 x USB 2.0

USB 3.0

2 x USB 3.0

1 x IEEE 1394

e-SATA 1 x eSATA 6Gb/s

Audio Ports

6 Ports, S/PDIF Out, 1 x Optical, 1 x Coaxial

Internal I/O

Onboard USB

2 x USB 3.0 + 6 x USB 2.0

1 x Onboard 1394

Features

ASRock DuraCap (2.5 x longer life time), 100% Japan-made high-quality Conductive Polymer Capacitors

Digi Power, Advanced V8 + 2 Power Phase Design

Supports Intel K-Series unlocked CPU

Supports Dual Channel DDR3 2133(OC)

Supports ATI Quad CrossFireX, 3-Way CrossFireX and CrossFireX

Supports NVIDIA Quad SLI and SLI

Dr. Debug, Smart Switch Design: Power/Reset/Clear CMOS Switch with LED

Supports ASRock Extreme Tuning Utility (AXTU), Instant Boot, Instant Flash, Good Night

LED, Multi-Fan Speed Control, AIWI, APP Charger, SmartView

Combo Cooler Option (C.C.O.)

CPU: [Intel Core i7-2600K Sandy Bridge 3.4GHz](#)

Brand Intel

Series Core i7 BX80623I72600K

CPU Type

LGA 1155

Core Core i7-2600K, Sandy Bridge, Multi-Core/Quad-Core

Features

3.4GHz (3.8GHz Turbo Boost)

L2 Cache

4 x 256KB

L3 Cache 8MB

Manufacturing Tech 32 nm

64 bit Support

Hyper-Threading Support

Virtualization Technology Support

Integrated Graphics Intel HD Graphics 3000

Graphics Base Frequency 850MHz

Multimedia Instruction SSE4.1/4.2, AVX

Thermal Design Power 95W

Heat sink and Fan included

SYS. RAM: [G.SKILL Ripjaws X Series 8GB \(4 x 4GB\)](#)

240-Pin DDR3 SDRAM DDR3 1333 (PC3 10666) Desktop Memory Model F3-10666CL9D-8GBXL

G.SKILL Ripjaws X Series F3-10666CL9D-8GBXL 240-Pin DDR3 SDRAM

Tech Spec

Capacity 16GB (4 x 4GB)

Speed DDR3 1333 (PC3 10666)

Cas Latency 9

Timing 9-9-9-24

Voltage 1.5V

NON-ECC

Un-Buffered/Not Registered

Dual Channel Kit

Features

Designed for 2nd Generation Intel Core Processors and the Z68/P67/H67/H61 motherboards .

Optimized 1.5V low voltage for the Intel Sandy Bridge platforms.

Compatible with Intel P55 & AMD Phenom II/Llano platforms.

Intel XMP Ready

SYSTEM DRIVE: *Crucial M4 CT128M4SSD2CCA 2.5" 128GB SATA III MLC Internal Solid State Drive (SSD)*

Brand Crucial Series M4 CT128M4SSD2CCA
Capacity
 128GB
Interface
 SATA III
Performance
 Sustained Sequential Read - up to 415MB/s
 Sustained Sequential Write - up to 175MB/s 4K
 Random Read/Write: 40K/35K
 IOPS ATA-8 w/ TRIM
 SMART Command Support
 High-speed Synchronous MLC NAND
Compatibility
 SATA 6Gb/s, backward compatible to SATA 3Gb/s

DVD BLU-RAY: *LG Black Super Multi SATA WH12LS30 LightScribe Support – OEM*

Model LG WH12LS30 Internal Blu-ray Burner
Performance
 Cache 4MB, BD-ROM Access Time 180 ms
Write Speed
 BD-R 12X
 BD-RE 2X
 DVD+R 16X
 DVD+RW 8X
 DVD-R 16X
 DVD-RW 6X
 CD-R 48X
 CD-RW 24X
 BD-R DL 12X
 BD-RE DL 2X
 DVD+R DL 8X
 DVD-R DL 8X
 VD-RAM 12X
Read Speed
 BD-ROM 10X
 DVD-ROM 16X
 CD-ROM 48X
Physical Spec
 LightScribe Support Load Type Tray Interface SATA

MEDIA DOCK	<u>MEDIAPC ZE-C98 All-in-one</u>
Brand	MEDIAPC
Model	ZE-C98
Installation Type	Internal, 4 slots
Interface	USB 2.0
Compatibility	Support SM Card, T-Flash, MS Select.0, xD, XD(M) Type, XD(H), MS, MSPro, MSMagic Gate, MS-Pro Magic Gate, HS-MS-Pro Magic Gate, MS-DUO, MSPro-Duo, MSPro-Duo PSP, MSPro-Duo Gaming, HS-MS-Pro Duo, MS-DUO MagicGate, MSPro-DUO MagicGate Secure Digital Card, Mini SD, Extreme SD, Extreme III SD, Ultra II SD CF I, CF II, Extreme CF, Extreme III CF, Ultra II CF, HSCF, Micro Drive Compact Flash Memory Stick MMC Support – SD SmartMedia xD
Features	Support the latest High Speed / High Capacity Flash Memory Card Up to 32GB (SDHC 2.0 compliance) Supports HD & AC97 Front Audio Supports the latest flash card specification: CF 3.0 (16-bit IDE mode), SD2.0 (SDHC), MMC4.0 (8-bit), MSPro parallel mode (4-bit), xD 1.2 Supports all e-SATA External Hard Drive Internal design fitting into 5.25" drive bay to save the desktop space. Supports Hot-Swapping and Plug and Play function. USB Bus powered; no external power required. Supports Mass Storage Class Drive Supports Win 98/2000/XP/Vista, Mac OS V9.2 or higher Driverless (except Window 98) All internal cable with direct connection to motherboard onboard port

CASE: Fractal Design Define R3 Titanium Grey ATX Mid Tower Silent PC Computer Case

Model Define R3, Titanium Grey
Type ATX Mid Tower
Color Titanium Grey
Case Material
Steel
Mobo Compatibility
Mini ITX, Micro ATX and ATX
Expansion
External 5.25" Drive Bays 2 x External 5.25" Drive Bays with one 5.25 >
3.5 inch converter included External Bays 1 x External 3.5" Drive Bay
(converted from one 5.25" drive bay) Internal Bays 8 x Internal 3.5"
Drive Bays compatible with SSDs Exp.
Slots 7 Front Ports 2 x USB 2.0, 1 x eSATA Audio I/O Cooling 2 x 120mm Fans,
side duct air
Physical Spec
(L x W x H): 20.52" x 8.17" x 17.32"
Description
Titanium grey front panel Vent System offers optimal silence and performance
capabilities Pre-fitted with dense noise absorbing material 8 x HDD user friendly white
trays with black silicone mounts Black interior with white and black accent colors Top I/O
panel for easy access 7 x Fan Slots (2 x 120mm - front, 2 x 120/140mm - top, 1 x 120mm
- back, 1 x 120/140mm - side, 1 x 120/140mm - bottom) 2 x 120mm Silent Fans included
Fan Controller for 3 fans included Removable and Washable air filters Advanced Cable
Management
System Supports graphics card lengths up to 290mm M/B cover support for large CPU
coolers

POWER SUPP.: SILVERSTONE Strider Essential series ST60F-ES600W

Brand SILVERSTONE
Model ST60F-ES Strider Essential Series
Spec/Type
ATX12V / EPS12V
Maximum Power
600W
Fans 1 x 120mm Fan

Features

- PFC Active
- SLI Ready
- CrossFire Ready
- Efficiency >80% at 20% - 100% loading
- Energy-Efficient 80 PLUS Certified
- Over Voltage Protection
- Input Voltage 90 V - 264 V
- Input Frequency Range 47Hz - 63Hz
- Output +3.3V@25A, +5V@25A, +12V1@42A, +5VSB@2.5A, -12V@0.3A
- MTBF 100,000 hours at 25°C, full load
- High efficiency with 80 PLUS certification
- Support ATX 12V 2.3
- 600W 24hour continuous power output with 40°C operating temperature
- Noise Level: 18dBA - 36dBA
- Over current protection, Over power protection, Over voltage protection, Under voltage protection, Over temperature protection, Short circuit protection

Main Connector

24Pin, +12V Rails Single PCI-Express Connector 3 x 6-Pin, 1 x 6+2-Pin

SATA Power Connectors

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Connectors

- 1 x 24-Pin Motherboard connector
- 1 x 8 / 4-Pin EPS / ATX 12V connector
- 4 x PCIe connector
- 6 x SATA connector
- 3 x 4-Pin Peripheral connector
- 1 x 4-Pin Floppy connector

VGA:	<i>PNY SuperClocked VCGGTx580XPB-OC GeForce GTX 580 (Fermi)</i> 1536MB 384-bit GDDR5 PCI Express 2.0 x16 HDCP Ready SLI Support SuperClocked
Model	VCGGTx580XPB-OC
Interface	PCI Express 2.0 x16
Chipset	NVIDIA
GPU	GeForce GTX 580 (Fermi)
Core Clock	805MHz
Shader Clock	1610MHz
Stream Proc.	512 Processor Cores
Mem. Clock	4200MHz
Mem. Size	1536MB
Mem. Interf.	384-bit
Mem. Type	GDDR5
3D API	DirectX, DirectX 11, OpenGL, OpenGL 4.1
Ports	HDMI, 1 x mini HDMI+ 2 x DVI
RAMDAC	400 MHz Max Res. 2560 x 1600
3D VISION	Yes
SLI Support	Yes
Cooler	Active heat sink/fan
System Req.	Minimum 600W or greater system power supply (with a minimum 12V current rating of 42A)
Power Con.	6 pin / 8 pin
Dual-Link DVI	Yes
HDCP	Yes
Features	NVIDIA CUDA technology with CUDA C/C++, DirectCompute 5.0 and OpenCL support NVIDIA PhysX technology NVIDIA 3D Vision Surround Ready NVIDIA PureVideo HD technology

OTHER NOTES:

Shipping Included.

Delivery Included.

System OS/Application installation per instructor's requirements included.

* 12 month Service & Support contract same day or next day response.

* Includes system imaging service for QTA disaster recovery.

SYSTEM WARRANTY: 3 Years parts & labor

Custom Animation and Multimedia Computer Workstations

18 custom integrated computer animation/NLE workstations with 1 year of service, support and maintenance for BCC's flagship digital animation, video, audio, graphics and web design studio located in the Paramus campus' West Hall building. The system integration will include hardware listed in above spec along with the installation of software and hardware currently owned by the college. This includes Windows 7, 64 bit operating system, and the most current versions of Adobe Creative Suite Master Collection, AVID Protools and Media Composer, and Autodesk Entertainment Creation Suite. It also includes configuring the connection with the college's AVID Unity RAID network server, and with existing peripheral devices such as the M-Audio Firewire 410.

At minimum a bidder needs to be capable and qualified in the integration of video, audio, and computer graphics, hardware and software in order to be seriously considered for this job. This means that companies wishing to be considered for this bid will have been in the business of providing systems that combine the capabilities of computer animation, digital video editing and compositing, and multimedia into proprietary configurations for at least ten years. The company should have demonstrated a track record of strong relationships with companies that create the computer animation and digital video software in use in the Visual Arts Department including Adobe, Avid, and Autodesk.

The company must be located within a reasonable commuting distance to Bergen Community College (within 50 miles) in order to be on site and complete repairs within 1 business day of being contacted for repairs of components.

Bidder must demonstrate experience of similar contracts for providing systems that combine the capabilities of computer animation, digital video editing and compositing, and multimedia into proprietary configurations that the bidder has done and must provide references for comparable projects completed (list on reference sheet). The company should have demonstrated a track record of strong relationships with companies that create the computer animation and digital video software in use in the Visual Arts Department including Adobe, Avid, and Autodesk.