Build you own Computer with Purchased Components
By Ron Mettler, July 13, 2013
The following is a list of components that can be easily assembled to make a fairly high end computer.

1 ea.	Gigabyte GA-78LMT-USB3 motherboard	$55
1 ea.	AMD Processor, FX-6100 with fan, FD6100WMGUSBX, six-core	$110
1 ea.	Corsair Vengeance Memory Kit (2 x 4GB) CMZ8GX3M2A1600C9B	$70
1 ea.	Thermaltake VN40006W2N Snow Edition Case	$60
1 ea.	LG 24X DVD Burner, GH24NS95B	$18
1 ea.	Power Supply, HEC Group 550 watt (or similar)	$25
1 ea.	Kingwin Case fan, CF-12LB 120 mm, occasionally free after mail-in rebate	$0
1 ea.	Solid State 128 GB hard drive (SSD), Samsung 840 Pro Series, MZ-7PD128BW	$138
Total without shipping (normally about $15)		$476

You may need a keyboard, mouse and monitor to add to the above. Consider an ACER 23"
UM.VG6AA.B01 for $140, the Logitech Wireless Mouse and Keyboard Combo MK520 for $60.
The listed motherboard includes 2, SATA interface cables for the SSD and the DVD Burner.
The above SSD may be small for a particular use, so evaluate the individual need. I have used all of
the above components in multiple computers and find them to be excellent. A variation that I have
tried is to substitute an 8-core AMD processor AMD FX-8350 for $190. I have not been able to detect
any performance improvement with this processor over the FX-6100 so I do not consider it worth the
extra money. The above prices are based on current TigerDirect.com prices with the exception of the
SSD which is based on Amazon.com pricing. When you are ready to purchase, shop around at
TigerDirect, Amazon and Newegg.
I highly recommend Linux Mint 15 Mate 64 Bit in place of Windows 7 or 8 at no cost. It includes the
LibeOffice full suite. I use Mint 15 Mate with about 15 additional free programs including Thunderbird
email, Gimp Photo processing, Dropbox, Skype (need a Web Cam), etc. I have written articles
regarding Linux Mint 15 Mate which can be found on the CUGG Web site.