

## Refined Automation System Comparison

System Name	Starter	Nomad	Grasshopper	Cougar	Tiger
Model Number	CF100	CF150	CF250	CF450	CF750
Usage	Starter System	Vacation Homes	Starter System	Standard	HD Grahpics & HD TV
<b>CPU</b>					
CPU	VIA C7	Intel Celeron M	Intel Celeron	Core2Duo	Core2Duo
CPU Speed	1.0GHz	1.5 GHz	2.0 GHz	2.4 Ghz	3.00 GHz
L2 Cache	na	na	512 Kb	2 Mb	4 Mb shared
<b>MEMORY</b>					
Memory	1Gb	1Gb	2 Gb	2 Gb	4 Gb
Memory Speed	not listed	not listed	533 MHz	800 MHz	800 MHz
Fash Storage	4Gb	2 Gb	na	na	na
<b>HARD DRIVES</b>					
Number of Hard Drives	na	na	2	2	2
Disk Capacity/drive	na	na	80Gb	250Gb	400Gb
Total Disk Space	na	na	160Gb	500Gb	800Gb
Disk Configuration	na	na	JBOD	JBOD	JBOD
Disk Cache	na	na	8Mb	16Mb	16Mb
Disk Type	na	na	SATA	SATA	SATA
Disk Rotational Speed	na	na	7200 RPM	7200 RPM	7200 RPM
Disk Transfer Rate	na	na	3 Gb/sec	3 Gb/sec	3 Gb/sec
<b>VIDEO</b>					
Video Card	na	na	Intel GMA 950	NVIDIA 8600GT	NVIDIA 9600GT
Video Memory	na	na	on board	512Mb	512Mb
Memory Channel	na	na	on board	128-bit	256-bit
Video Clock	na	na	450 Mhz	450 Mhz	650 MHz
Max Monitor Resolution	na	na	2560x1600	2560x1600	2560x1600
Video Ports	na	na	SVGA	2DVI,HDTV S-Video	2DVI,HDTV S-Video
<b>TELEVISION</b>					
Dual TV Tuner	na	na	no	no	Analog & Digital included
<b>AUDIO</b>					
Audio Chipset	Mic In/Line Out	Mic In/Line Out	Realtek ALC833-6	Realtek ALC883	SupremeFX Audio
Audio Channels	na	na	6 CODEC	6	8
<b>CD/DVD BURNERS</b>					
Number of CD/DVD's	na	na	1	1	2
Type	na	na	20X CD/DVD Burner	20X CD/DVD Burner	20X CD/DVD Burner
Cache	na	na	2Mb	2Mb	2Mb
DVD Read	na	na	16x	16x	16x
CD Read	na	na	40X	40X	40X
(Optional) DVD or Blu-Ray			No	Yes	Yes
Blu-Ray/HD DVD Cache	na	na	4Mb	4Mb	4Mb
Blu-ray Read	na	na	6X	6X	6X
HD DVD Read	na	na	3X	3X	3X
DVD Read	na	na	16X	16X	16X
CD Read	na	na	40X	40X	40X
<b>PORTS, CASE, &amp; POWER</b>					

Rear Ports	2PS2, 4Com, 2USB2.0, SVGA, Audio, 1LAN	2PS2, 4Com, 2USB2.0, SVGA, Audio, 2LAN	2PS2,1 Com, 1Lpt, 4 USB2.0, SVGA, Audio 3ports, 1 LAN RJ45	1Optical & 1 Coax S/PDIF Out, 4 USB2.0, SVGA, Audio 6 ports, 2 LAN RJ45	2 PS2,1 1394, 1Optical & 1 Coax S/PDIF Out, 4 USB2.0, SVGA, Audio 6 ports, 2 LAN RJ45
Front Ports	Usb2.0, mic  in/mic out	na	1USB2.0, eSATA, AudiIn/Out (HDA&AC97)	1USB2.0, eSATA, Audio In/Out(HDA&AC97)	2USB2.0, 1394, Audio In/Out(HDA&AC97)
Case	Enclosure	Enclosure	mini cube	MidTower	MidTower
Case Dimensions	9.25"x2"x7"	11" x 2" x 7"	7.92" x 13.2" x 10.6"	16.7" x 18.2" x 8.1"	21.3" x 8.1" x 19.9"
Power Supply		15W	360 w	500W	750W
<b>POWER PROTECTION &amp; BATTERY BACKUP</b>					
Power Protection Recommendation	na	na	(Optional, and Recommended) PW390	(Optional, and Recommended) PW390	(Optional, and Recommended) PW810
<b>MONITOR, MOUSE, KEYBOARD</b>					
Monitor	No	No	17" Samsung	ViewSonic 19"	ViewSonic 22"
Keyboard	No	No	Logitech	Logitech	Logitech diNovo Edge
Mouse	No	No	Logitech	Logitech	Logitech MX Revolution
<b>SOFTWARE INSTALLED</b>					
Operating System	Win XP Embedded	Win XP Embedded	Vista Home Premium	Vista Home Premium	Vista Home Premium
Vista Ready	No	No	Yes	Yes	Yes
Open Office	No	No	Installed	Installed	Installed
HA Control Software	HS2 Plus	HSPRO	HS2	HS2	HSPRO
TV Control Software	No	No	No	No	Installed & Configured
<b>HOME AUTOMATION DEVICES</b>					
HA Master Control	0	0	1	1	1
HA Control Devices	0	0	2	2	2
<b>System Name</b>	<b>Starter</b>	<b>Nomad</b>	<b>Grasshopper</b>	<b>Cougar</b>	<b>Tiger</b>
<b>PRICE</b>	\$ 889.00	\$ 2,195.00	\$ 1,995.00	\$ 3,495.00	\$ 6,595.00



