



Wireless Network Cheat Sheet

Wireless Standard	802.11g	802.11b	802.11a
Frequency	2.4 GHz	2.4 GHz	5 GHz
Speed*	54Mbps	11 Mbps	54Mbps
Range*	100-150ft	100-150ft	25-75ft
Pros	Faster than 802.11b Backwardly Compatible	Huge Install Base Public Access Lowest Cost	Faster than 802.11b Uncrowded Frequency
Cons	Slightly Higher Cost Need 802.11G+A for universal connect	Slowest (Still faster than Broadband*)	Not Compatible with 802.11b-g

- Note: Range and Speed can vary dramatically due to building construction, electronic noise, and network placement. Wi-Fi speeds will decrease as signal strength drops. Multiple access points or signal boosters may be used to extend wireless coverage. Current MIMO offerings are likely to be proprietary until the 802.11N Standard appears. * The average DSL/Cable modem is 2-3Mbps

What You Need...

Each PC that is connecting w/o network cable needs a Wireless Adapter. Also 1 Access Point or Access Point+Router to receive the wireless signals. Additional Access Points may be added to extend coverage.

802.11B & 802.11G

Linksys	WRT54G	802.11G 4 port Router + Access Point	\$69.95
	WAP54G	802.11G Access Point	\$74.95
	WPC54G	802.11G Cardbus Notebook Adapter	\$64.95
	WMP54G	802.11G PCI Card Adapter	\$64.95
	WUSB54G	802.11G USB Adapter	\$64.95
	WRV54G	802.11G Wireless VPN Router + Access Point	\$149.95
	WGA54G	802.11G Wireless Game Adapter for Xbox or PlayStation2	\$99.95
	WPS54G	802.11G Wired & Wireless USB Print Server	\$95.95
	WRE54G	Wireless Range Expander	\$99.95
	BEFSR41	4 port Gateway Router (not wireless, add access point)	\$59.95
	BEFSX41	4 port VPN Router & Firewall (not wireless, add access point)	\$79.95
	BEFSR81	8 port Gateway Router (not wireless, add access point)	\$99.95
	NSLU2	2port USB2 Network Storage Link	\$109.95

Ethernet Patch Cables: 3' - \$4.99, 7' - \$5.99, 10' & 14' - \$6.99, 25' - \$8.99, 50' - \$14.99, 100' - \$24.99



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