Index

2Wire, 172	Ascend, 5, 7
3D desktops, 184–188	ASIMO robot, 201–204, 205
ABC, 127 Abt Electronics, 131 Acer, 141, 144 Acrobot, 204	AT&T Broadband, 5, 7, 131 AT&T Wireless e-Wallett service, 155–157 purchasing ring tones from, 24–25, 26 satellite phone service, 31
ADS Technologies, 99	smartphones, 21
Advanced Encryption Standard, 44	Attentional User Interface project, 191
AES encryption, 44	audio files
AIBO robot puppies, 201 alerts, 55–58 Alpine, 122 Amazon.com, 131 American Express Blue, 150–153 Anoto, 195, 196 AOL Instant Messenger, 50, 53, 54 Apple Computer, 116 applications, sharing, 63–64 Archos, 116	file-size considerations, 115–116 ripping, 114–115 sharing, 105–108 augmented reality, 197–200 AUI project, 191 authentication improved techniques for, 37–38 single sign-on, 32–33 three-factor, 39
artificial intelligence, 189–192	Auto Mower, Husqvarna, 201, 205
- ·	

В	Cellular Digital Packet Data, 28
	charge-coupled device sensors, 97
backpack computers, 198	chat rooms, 51
backups, data, 111	Chatpen, 195
bar code scanners, 211	chess, 189
battery-operated cars, 220	Cingular, 22
Bayesian vision system, 191	Circuit City, 131
BearShare, 105, 108	Code Division Multiple Access, 28
BellSouth, 7	collaboration services, online, 63–67
Best Buy, 131	collaborative computing, 60
BestCom project, 192	Columbia University, 197, 200
biometrics, 37–39	Communicator, Nokia, 51–53, 54
bitrates, 114	Compal, 21
Blackberry, 53, 54, 206	Compaq
Blue card, American Express, 150–153	fingerprint reader, 38
Bluetooth, 16, 170	iPAQ, 13, 17, 51
Bombay Company, 34	and tablet PC, 141
broadband Internet connections, 4–7, 8–9	Web site, 40
broadcasters, HDTV, 127	computer gaming, 132–135, 208–209
burners, CD/DVD, 109-112	computer vision, 190–192
business cards, beaming to/from Palm devices, 16	Conference Center, WebEx, 67
С	Coolpix, Nikon, 86–89
	Costco Online, 34
cable modems, 4–7	Cox Communications, 5
camcorders, digital, 97–99	Creative Technology, 99, 116
camera phones, 100–104	Greative recimiology, >>, 110
cameras, digital, 86–91	D
Canesta, 207, 209	D-Link Systems, 12
Canon, 91, 99	data backups, 111
capture, video/still-image, 98	data conferencing, 63
car tags, Speedpass, 148–149	Dazzle, 99
cars	DC06 robot, 201
and electronic-perception technology, 209	Deep Blue, 189
flying, 223–226	Delphi Corporation, 74
information/entertainment in, 73–76, 117–	desktop PC
122	new visual interfaces for, 184-188
safety/security in, 68–69	receiving alerts via, 55
CBS, 127	synchronizing Pocket PC with, 14–15
CCD sensors, 97	dialup Internet connections, alternatives
CD burners, 109–112	to, 4–7
CD-ROM drives, 109–110	Digital 8 format, 96
CDMA, 28	digital camcorders, 97–99
CDPD, 28	digital cameras
CDs, 110, 114–115	drawbacks to, 91
cell phones. See also mobile devices	features to look for in, 90–91
combining PDAs and, 18–22	how they work, 87–89
making international calls on, 27–30	manufacturers of, 91
personalizing ring tone for, 18–22	popularity of, 86
receiving alerts via, 55	
	transferring photos to PC from, 89–90
shopping with, 154–157	digital music, 113-116. See also MP3 files

digital photos	encryption, 11-12, 37, 44
adding audio commentary to, 87	entertainment, in-car, 73-76, 117-122
editing, 90	ePCs, 211, 212
enlarging, 87–88	Epson, 91
previewing, 87	Ethernet, 5, 11, 171
printing, 87, 90	European Geostationary Navigation Overlay
taking, 86–91	Service, 79
transferring to computer, 88–90	Expedia, 34
viewing, 92–95	Expertcity, 41
digital television, 123–127	ExxonMobil Speedpass, 145-149
broadcasters, 127	F
features and benefits, 126–127	
how it works, 125–126	facial recognition, 37–40
manufacturers, 127	fax machine, sending email to, 137–138
standards, 123–124	file sharing, Internet, 105–109
digital video	Fingerprint Identification System database, 38
filming with, 96–99	fingerprint readers, 37–40
formats, 96	FireWire, 98, 99, 111–112
recorders, 128–131	FloorVac, Roomba Intelligent, 204
digital wallets, 154–157	flying cars, 223–226
Directions & Connections Plan, OnStar, 71	Fossil.com, 34
DIRECTV, 130–131	FOX, 127
Dolby Digital sound, 124	free trials/downloads
Dr. Who, 182–183	GoToMyPC, 43, 45
drive-by-wire cars, 219–222	Groove voice-over-IP product, 62
DSL, 4–7	fuel cells, hydrogen, 219–221
DTV format, 123	Fujitsu, 141 Furby, 201
DVD	Furby, 201
burners, 109–112	G
formats, 110	GALILEO, 78
in-car, 76	game controllers, 208-209
DVD-ROMs, 110	gaming, online, 132–135
DVRs, 128–131 Dyson, 201, 205	gasoline, using Speedpass to purchase,
Dyson, 201, 203	145–149
E	Gates, Bill, 33
E Ink Corporation, 193, 196	General Motors. See GM
e-Wallet service, 155-157	General Packet Radio Service networks, 21
Earthlink, 7	gestures, tablet PC, 142
eBay, 34	Global Navigation Satellite System, 78
eBooks, 15–16, 193	Global Positioning System. See GPS
EGNOS, 79	Global System for Mobile Telecommunica-
eigenface, 38	tions, 28
electronic ink, 193–196	Globalstar, 30
electronic-perception technology, 207,	GLONAS, 78
208–209	GM
electronic product codes, 211	Hy-wire, 219–222
email	OnStar service, 68–76 (See also OnStar)
contrasted with instant messaging, 53	GNSS, 78
printing attachments to, 136–137	Good Guys, 131
sending photos via, 86	GoToMyPC, 41–45
sending to fax machine, 137–138	GPRS networks, 21

GPS	images, sharing, 105-108
and MARS project, 198	iMow, Toro, 201, 204, 205
personal locators, 81-85	IMPP, 64
receivers, 77–78	information, in-car, 73-76
satellite technology, 68, 69, 70, 78-79	instant messaging, 50-54, 64
grocery stores, self-checkout, 158-161	Intel Philanthropic Peer-to-Peer Program, 107
Groove Networks, 59–62, 107, 108	intelligent messaging, 189–192
Groove Project Toolset Space, 60-61	international phone calls, 27–31
GSM networks, 21, 28	Internet
Gymboree, 34	
•	accessing PC remotely via, 44
Н	as "business operating system," 32
H-E-B, 158	connecting home network to, 176
HAL, 189, 191	downloading ring tones from, 23–24
handwriting recognition, 193, 206	high-speed connections, 4–7
Hawker Harrier, 224	holding meetings via, 63–64
HDTV, 123–127	instant messaging via, 50–54
broadcasters, 127	monitoring home via, 164–168
features and benefits, 126-127	sharing files via, 105-108
formats, 123–124, 126	shopping via, 32–36, 150–153
how it works, 125–126	and single sign-on authentication, 32–33
manufacturers, 127	voice communications via, 51, 59-62
Hewlett-Packard, 13. See also HP	wireless connections, 8-12
High-Definition Television. See HDTV	Internet Home Alliance, 164–168
high-speed Internet connections, 4–7	Internet Service Providers, 6, 7
High Tech Corporation, 19, 21	inventory tracking, 210
Hilton.com, 34	Inxight, 185, 186–187, 188
Home Alliance, Internet, 164–168	IOGEAR, 176
home networking	iPAQ, 13, 17, 51
via electrical system, 173–176	Iridium, 30
via phone lines, 169–172	iRobot, 201
Home Phoneline Networking Alliance. See	ISDN, 4–7
HomePNA	ISPs, 6, 7
HomePlug Powerline Alliance, 173–176	IXI Personal Mobile Gateway, 178–180
HomePNA, 169–172, 174, 175, 176	1XI Tersonal Mobile Gateway, 176–160
Honda ASIMO robot, 201–204, 205	J
Hotmail, 34	Jornada, HP, 13, 17
HP	jukebox software, 113–116
Digital Entertainment Center, 172	JVC, 99
Jornada, 13, 17	JXTA, 107
routers, 172	J
HTC, 19, 21	K
Human Transporter, Segway, 215–218	K-Mart, 158
Husqvarna Auto Mower, 201, 205	Kasparov, Garry, 189
hydrogen fuel cells, 219–221	Kazaa, 105–106, 108
1	key tags, Speedpass, 148-149
IBM, 39, 106	Key Tronic, 38, 40
Identix, 38, 40	keyboards, virtual, 206–209
IEEE standards, 10	kids, tracking, 81–85
i.Link, 98	Kodak, 91
Image Transfer software, Nikon, 89	Kroger, 158
image fransier software, tvikon, 07	110501, 100

LANs, wireless, 8–12, 171 laptops and face-recognition software, 39 installing wireless card in, 9–10 next-generation, 140–144 receiving alerts via, 55 lawn mowers, robotic, 201, 204 Lego, 204, 205 Legmark, 91 Liberty Alliance Project, 32–33, 35, 36 LimeWire, 105, 108 LimkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Lojack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 Mapsend Software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alers, 56–58 .NET Messenger, 54 .NET Bassport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 TV Photo Viewer, 92–95 Microsoft Research artificial intelligence projects, 190–192 Attentional User Interface projects, 192 Dr. Who engine, 182, 183 Notification Platform, 190–191, 192 Scope application, 185 Task Gallery, 185 Mindstorms robots, 204 Mini-DV format, 96, 98 Minolta, 91 Mirror Worlds Technologies, 185–186 MirT, 38 Mitsubishi, 22, 127 MMOG, 132 Most leaviers. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 Mostleary, 74 Molor 132 Most 192 Miniboty fraition Platform, 190–191, 192 miniboty from the devices sconnections for, 177–180 mobile phon	L	and wireless LANs, 12
Japtops and face-recognition software, 39 installing wireless card in, 9–10 next-generation, 140–144 receiving alerts via, 55 Jawn mowers, robotic, 201, 204 Lego, 204, 205 Lexmark, 91 Liberty Alliance Project, 32–33, 35, 36 LimkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 Lolack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M M400 Skycar, 224, 226 MapSend software, 80 MARS project, 197–198 Massachuserts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messagin instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft Research artificial intelligence projects, 190–192 Attentional User Interface project, 191 BestCom project, 192 Dr. Who engine, 182, 183 Notification Platform, 190–191, 192 Sopp application, 185 Task Gallery, 185 Minoltra, 91 Mictorsoft Research artificial intelligence projects, 190–192 Attentional User Interface project, 191 BestCom project, 192 Dr. Who engine, 182, 183 Notification Platform, 190–191, 192 Sope application, 185 Task Gallery, 185 Minoltra, 91 Mictorsoft Research artificial intelligence projects, 191 BestCom project, 192 Dr. Who engine, 182, 183 Notification Platform, 190–191, 192 Sope application, 185 Task Gallery, 185 Minoltra, 91 Mictorsoft Research artificial intelligence projects, 191 BestCom project, 192 Dr. Who engine, 182, 183 Notification Platform, 190–191, 192 Sope application, 185 Task Gallery, 185 Minoltra, 91 Mictorsoft Research artificial intelligence projects, 191 BestCom project, 192 Dr. Who engine, 182, 183 Notification Platform, 190–191, 192 Sope application, 185 Task Gallery, 185 Minoltra, 91 Mictorsoft Research artificial intelligence projects, 191 BestCom project, 192 Dr. Who engine, 182, 183 Notification Platform, 190–191, 192 Sope application, 185 Task Gallery, 185 Minoltra, 91 Mictorsoft Platform, 190–191, 192 making interdal Value	LANs, wireless, 8–12, 171	Xbox Live, 132–135
and face-recognition software, 39 installing wireless card in, 9–10 next-generation, 140–144 receiving alerts via, 55 lawn mowers, robotic, 201, 204 Lego, 204, 205 Lexmark, 91 Libetry Alliance Project, 32–33, 35, 36 LimeWire, 105, 108 LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logietch, 194–195, 196 Lojack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 Mapsendsoftware, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Memory S		Microsoft Research
installing wireless card in, 9–10 next-generation, 140–144 receiving alterts via, 55 lawn mowers, robotic, 201, 204 Lego, 204, 205 Lexmark, 91 Libetry Alliance Project, 32–33, 35, 36 LimeWire, 105, 108 LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 Lojack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 MM M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messagin instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33		artificial intelligence projects, 190-192
next-generation, 140–144 receiving alerts via, 55 lawn mowers, robotic, 201, 204 Lego, 204, 205 Lexmark, 91 Liberty Alliance Project, 32–33, 35, 36 LimeWire, 105, 108 LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logiack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M M400 Skycar, 224, 226 MapSellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Ressport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tabler PCs, 141–144 and Trustworthy Computing, 33		Attentional User Interface project, 191
receiving alerts via, 55 lawn mowers, robotic, 201, 204 Lego, 204, 205 Lexmark, 91 Liberty Alliance Project, 32–33, 35, 36 LimeWire, 105, 108 LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 Lolack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messagin instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33		BestCom project, 192
Notification Platform, 190–191, 192 Scope application, 185 Task Gallery, 185 Libetry Alliance Project, 32–33, 35, 36 LimkSys, 12, 172, 176 local area networks. See LANs local area networks. See LANs local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 LoJack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Deskrop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 NET Alerts, 56–58 . NET Messenger, 54 . NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tabler PCs, 141–144 and Trustworthy Computing, 33		Dr. Who engine, 182, 183
Lego, 204, 205 Lexmark, 91 Liberty Alliance Project, 32–33, 35, 36 LimeWire, 105, 108 LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Log-ick, 194–195, 196 LoJack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Sesport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Scope application, 185 Task Gallery, 185 Mindstorms robots, 204 Mini-DV format, 96, 98 Minolta, 91 Mirror Worlds Technologies, 185–186 MIT, 38 Mitsubishi, 22, 127 MMOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile phones. avoiding multiple wireless connections for, 177–180 mobile phones. avoiding multiple wireless connections for, 177–180 mobile phones. Advice-activated services, 46–29 mobile gateways, personal, 177–180 mobile phones. Advice-activated services, 46–89 Mobile-Augmented Reality System, 197–198 mobile devices. See also mobile elvices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 Mobile-Ara, 74, 76 modem manufacturers, 7 modem manufacturers, 7 modem manufacturers, 7 modem manufacturers, 7 modem manufac		
Lexmark, 91 Liberty Alliance Project, 32–33, 35, 36 LineWire, 105, 108 LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 Lojack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M M MoS Skycar, 224, 226 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Task Gallery, 185 Mindstorms robots, 204 Mini-DV format, 96, 98 Minolta, 91 Mirror Worlds Technologies, 185–186 MIT, 38 Mitsubishi, 22, 127 MOOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–186 mirot Worlds Technologies, 185–186 MIT, 38 Mitsubishi, 22, 127 MOOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–186 MIT, 38 Mitsubishi, 22, 127 MOOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile devices. combining plDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 MOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile devices. combining plDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 MOG, 182 Mobile Augmented Re		Scope application, 185
Liberty Alliance Project, 32–33, 35, 36 LimeWire, 105, 108 LimkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 LoJack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MapSend software, 80 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memidian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Mindstorms robots, 204 Mini-DV format, 96, 98 Minidstorms robots, 204 Mini-DV format, 96, 98 Minolta, 91 Minole, lethologies, 185–186 MIT, 38 Mitsubishi, 22, 127 MMS, 10, 102 Mobile Augmented Reality System, 197–198 aviitual keyboards for, 206–209 mobile ghouses avoiding multiple wireless connections for, 177–180 mobile dugered. See also mobile choves evel in prini		T 7.7
LimeWire, 105, 108 LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 LoJack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. European standards for, 27–28 and voice-activated services, 46–49, 68 Minichta, 91 Mirror Worlds Technologies, 185–186 MIT, 38 Mitsubishi, 22, 127 MMOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motrola, 26 M73 files ripping, 114–115 sharing, 105 MR3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
LinkSys, 12, 172, 176 local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 Lojack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M MMOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 mobile Aria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		-
local area networks. See LANs log-in, Web, 32–36 Logitech, 194–195, 196 LoJack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MARS project, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MotileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 mo	_	_
log-in, Web, 32–36 Logitech, 194–195, 196 Lojack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Media Desktop, Kazaa, 106–107 Media Desktop, Kazaa, 106–107 Median Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 MIT, 38 Mitsubishi, 22, 127 MMOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. 4voiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones. avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones. avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile devices combining PDAs and, 18–22 making internationa		The state of the s
Logitech, 194–195, 196 LoJack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Mitsubishi, 22, 127 MMOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices. See also mobile phones avoiding multiple wireless connections for, 17–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile devices combining PDas and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 Molern Sycar, 223–22		
LoJack, 81 Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 M M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 MMOG, 132 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. 4 MKS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 Mobile Augmented Reality System, 197–198 mobile devices.		•
Lucent, 5, 7 Luxury & Leisure Plan, OnStar, 71 MMS, 101, 102 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33	_	
Mobile Augmented Reality System, 197–198 Mobile Augmented Reality System, 197–198 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile devices. See also mobile devices connections for, 177–180 mobile durices. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 Modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motion Picture Experts Group, 114 Motion Picture Experts Group, 114 Motion Pi		•
MM M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Messenger, 54 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 meidia devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mriding to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile gateways, personal, 177–180 mobile phones. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile gateways, personal, 177–180 mobile phones. See also mobile phones avoiding multiple wireless connections for, 177–180 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motionola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 mobile devices. See also mobile phones avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116	Luxury & Leisure Flan, Olistai, /1	• • •
M400 Skycar, 224, 226 Magellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 avoiding multiple wireless connections for, 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116	M	
Magellan GPS receivers, 77–80 MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 177–180 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116	M400 Skycar, 224, 226	
MapSend software, 80 MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 printing from, 136–139 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
MARS project, 197–198 Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 receiving alerts via, 55 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
Massachusetts Institute of Technology, 38 McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Messenger, 54 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 talking to, 181–183 virtual keyboards for, 206–209 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
McDonalds, 146, 149 MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33		
MED-NET service, 70–71 Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 mobile gateways, personal, 177–180 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		=
Media Desktop, Kazaa, 106–107 Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 mobile phones. See also mobile devices combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
Meeting Center, WebEx, 64–65 memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 combining PDAs and, 18–22 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116	•	
memory cards, 88, 90, 92, 98 Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 making international calls on, 27–30 personalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
Memory Stick, 98 Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 mersonalizing ring tone for, 23–26 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
Meridian Platinum GPS receiver, 77–78, 79 messaging instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 shopping with, 154–157 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116	•	
messaging U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 intelligent, 189–192 MobileAria, 74, 76 Messenger, MSN, 34 modem manufacturers, 7 eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 Motion Computing, 141, 144 .NET Passport, 32–36 Motion Picture Experts Group, 114 .NET Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 U.S. vs. European standards for, 27–28 and voice-activated services, 46–49, 68 MobileAria, 74, 76 modem manufacturers, 7 Moller Skycar, 223–226 Monster.com, 34 Motion Computing, 141, 144 .Met on Picture Experts Group, 114 .Met		
instant, 50–54, 64 intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 MobileAria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 .Motion Computing, 141, 144 .Motion Picture Experts Group, 114 .MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
intelligent, 189–192 Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Mobile Aria, 74, 76 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 .Motion Computing, 141, 144 .Motion Picture Experts Group, 114 .Messenger, 54 .Messenger, 74, 76 .Moller Skycar, 223–226 .Monster.com, 34 .Messenger, 34 .Motion Computing, 141, 144 .Net Passport, 32–36 .Messenger, 74, 76 .Moller Skycar, 223–226 .Messenger, 34 .Motion Computing, 141, 144 .Net Passport, 32–36 .Messenger, 74 .Motion Computing, 141, 144 .Net Passport, 32–36 .Messenger, 74 .Motion Computing, 141, 144 .Net Passport, 32–36 .Messenger, 74 .Motion Computing, 141, 144 .Net Passport, 32–36 .Messenger, 74 .Motion Computing, 141, 144 .Net Passport, 32–36 .Motion Picture Experts Group, 114 .Messenger, 74 .Motion Computing, 141, 144 .Net Passport, 32–36 .Motion Picture Experts Group, 114 .Net Passport, 32–36 .Messenger, 74 .		
Messenger, MSN, 34 Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 .Motion Computing, 141, 144 Motion Picture Experts Group, 114 .Messenger, 54 Motion Picture Experts Group, 114 .Messenger, 7 modem manufacturers, 7 modem manufacturers, 7 modem manufacturers, 7 modem manufacturers, 7 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 .Metion Computing, 141, 144 motion Picture Experts Group, 114 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
Microsoft eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 modems, cable, 4–7 Moller Skycar, 223–226 Monster.com, 34 .Motion Computing, 141, 144 .Motion Picture Experts Group, 114 .Motion Pic	9 .	
eBook reader, 15–16 instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Molier Skycar, 223–226 Monster.com, 34 .Motion Computing, 141, 144 .Motion Picture Experts Group, 114 .Motio	=	
instant-messaging protocol, 50 .NET Alerts, 56–58 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Monster.com, 34 Motion Computing, 141, 144 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		and the second s
.NET Alerts, 56–58 .NET Messenger, 54 .NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Motion Computing, 141, 144 Motion Picture Experts Group, 114 .Metalogous Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
.NET Messenger, 54 .NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Motion Picture Experts Group, 114 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		•
.NET Passport, 32–36 Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 Motorola, 26 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
Office Assistant, 190 Passport account, 16 Priorities system, 190–191, 192 smartphones, 19–20, 21 tablet PCs, 141–144 and Trustworthy Computing, 33 MP3 files ripping, 114–115 sharing, 105 MP3 players, 113–116 contrasted with CD/tape players, 114 features and benefits of, 115–116		
Passport account, 16 ripping, 114–115 Priorities system, 190–191, 192 sharing, 105 smartphones, 19–20, 21 MP3 players, 113–116 tablet PCs, 141–144 contrasted with CD/tape players, 114 and Trustworthy Computing, 33 features and benefits of, 115–116		
Priorities system, 190–191, 192 sharing, 105 smartphones, 19–20, 21 MP3 players, 113–116 tablet PCs, 141–144 contrasted with CD/tape players, 114 and Trustworthy Computing, 33 features and benefits of, 115–116		
smartphones, 19–20, 21 MP3 players, 113–116 contrasted with CD/tape players, 114 and Trustworthy Computing, 33 features and benefits of, 115–116	*	
tablet PCs, 141–144 contrasted with CD/tape players, 114 and Trustworthy Computing, 33 features and benefits of, 115–116		0.
and Trustworthy Computing, 33 features and benefits of, 115–116		
,		·
1, 11000, 10 mois 22 20 110 w they work, 111 110	·	•
UltimateTV service, 131 in-car, 76, 108		· · · · · · · · · · · · · · · · · · ·

manufacturers of, 114, 116 purpose of, 113–114 MPEG format, 114 MSN broadband service, 7 Hotmail, 34 Messenger, 34, 50	Omnipod, 107, 108 online gaming, 132–135 online meetings, 64–65 online shopping, 32–36, 150–153 OnStage, WebEx, 64, 66 OnStar availability of, 72
Multimedia Messaging Service. See MMS multiplayer gaming, 132–135 music digital, 113–116 (See also MP3 files) via satellite, 117–122 MusicMatch Jukebox, 114–115, 116 N Napster, 105 NBC, 127	contact information, 72, 76 in-car entertainment/information, 73–76 in-car safety/security, 68–72 and Internet Home Alliance, 165–166 and voice-activated dialing, 46 OpenCola, 107, 108 Orange, 19, 22 Oshman's, 34 Outlook, Pocket, 14, 19–20
NCR FastLane, 159–161	Ozzie, Ray, 60
.NET	P
Alerts service, 56–58 Messenger, 54 Passport, 32–36 NETGEAR, 12, 172, 176 networks local area, 8–12, 171 using electrical system for, 173–176 using phone lines for, 169–172 virtual private, 16, 44 wireless, 8–12, 177 (See also wireless connection) Nextel, 31 NextPage, 107, 108 Nikon Browser software, 89 Coolpix, 86–89 Web site, 91 NikonNet, 91 Nokia digital camera phones, 104 instant-messaging solution, 51–54 mobile phones, 24–25 Web site, 26	pagers, 51 PAL format, 123–124 Palm Pilots, 13, 16, 17 Panasonic digital camcorders, 99 and HDTV, 127 mobile phones, 26, 30 MP3 players, 116 routers, 172 PANs, 178–179 Paris Motor Show, 219 Passport Express Purchase logo, 35–36 passwords, Web site, 32, 37 PBS, 127 PC card fingerprinting systems, 40 pcAnywhere, 44 PCMCIA, 8, 9, 40 PCs new visual interfaces for, 184–188 playing games on, 132–135 remote-control software for, 41–45 synchronizing Pocket PCs with desktop, 14–15 transferring digital photos to, 88–90
wireless LAN equipment, 12 Notification Platform, Microsoft Research, 190–191, 192 Novell, 106 NTSC format, 123–124, 125	transferring video to, 98 video conferencing with, 63–67 PCS Vision Camera, 100–104 PCS Voice Command, 46–49
0	PDAs, 13–22
Office Assistant, Microsoft, 190 OfficeMax.com, 34	benefits of, 15–16 combining mobile phones and, 18–22 how they work, 13–15
Olympus, 91	manufacturers of, 13, 17

PDAs, 13-22 (continued)	Private Payments system, American Express,
receiving alerts via, 55	150–153
synchronizing with desktop PCs, 14–15	profiles, Web site, 32–36
talking to, 181	Project Juxtapose, 107
virtual keyboards for, 206–209	.PVA format, 95
PDC standard, 30	Q
peer-to-peer computing, 105–108	QWERTY keyboard, 207
Peer-to-Peer Trusted Library, 107	
Peer-to-Peer Working Group, 107	R
.PEN format, 194–195	radio, satellite, 117-122
personal area networks, 178	radio frequency identification. See RFID
Personal Calling, OnStar, 68–69, 71, 73–76	technology
personal Computers. See PCs	RadioShack, 34
Personal Digital Assistants. See PDAs Personal Digital Collular standard, 20	RCX programming language, 204
Personal Digital Cellular standard, 30	read-only disks, 110
personal locators CPS 91 95	recorders, CD/DVD, 109–112
personal locators, GPS, 81–85	remote-control software, 41–45
personal mobile gateways, 177–180	ReplayTV, 131
personal robots, 201–205	Research In Motion. See RIM
personal transporters, 215–218	residential gateways, 172
pets, robotic, 201	retail automation, 158
phone lines, networking via, 169–172	RFID technology, 145-149, 210-214
phone number, worldwide, 27–31	RIM, 53, 54, 206
phones	ring tones, personalizing cell phone, 23–26
camera, 100–104	ripping, 114–115
cell (See cell phones)	Ritz Camera, 34
satellite, 30	robotic pets, 201
world, 27–31	robotic vacuum cleaners, 204
Photo Viewer, Microsoft TV, 92–95	Robotics Invention System, 204
photos. See also digital photos	robots, personal, 201–205
adding audio commentary to, 87	Roomba Intelligent FloorVac, 201, 204, 205
emailing, 86	routers, 172, 176
printing, 87, 90, 91	Roverbot, 204
scanning, 86	Russian Global Navigation Satellite System, 78
Pinnacle Systems, 99	S
PINs, 150, 151	
Pioneer, 122	Safe & Sound Plan, OnStar, 71
PlaceWare, 67	safety, in-car, 68–69
playlists, 113	Samsung
PlayStation, 132	digital camera phones, 104
PMGs, 177–180	and digital television, 124
Pocket Outlook, 14, 19–20	and HDTV, 127
Pocket PCs, 13–17, 209	mobile phones, 22
powerline networking, 173–176	MP3 players, 116
PowerPoint, 95	powerline equipment, 176
printing 126 127	and virtual keyboards, 207
email attachments, 136–137	satellite communications, 7, 78–79
from mobile devices, 136–139	satellite phones, 30
photos, 87, 90, 91	satellite radio, 73, 117–122
PrintMe Networks, 137–139	SATS, 226
Priorities system, Microsoft, 190–191, 192	scanners, bar code, 211

Scope application, Microsoft Research, 185	Sports Authority, 34
Scopeware, 185–186, 188	Sprint PCS
SD slot, 16	PCS Vision package, 46-49, 100-104
SDTV format, 123	ring-tone Web sites, 26
Secure Digital slot, 16	SPV Smartphone, 19–20
security	spyware, 106
biometric solutions to, 37–39	Star Tree, 185, 186-187
in-car, 68–69	Starbucks, 34
Internet monitoring of home, 165–168	stock alerts, 57
and Internet shopping, 150-153	Stop & Shop Supermarkets, 146
and PDAs, 16	Subscriber Identification Module card, 29
and single sign-on authentication, 33	Sun Microsystems, 32, 107
and three-factor authentication, 39	Support Center, WebEx, 64, 66
and wireless LANs, 11	Symbol Technologies, 12, 16
Segway HT, 215–218	_
self-checkout shopping, 158–161	Т
Sendo Ltd., 22	T-Mobile, 22, 30, 31
Senseboard Technologies, 207	tablet PCs, 140-144, 181-182
SETI program, 107	Targus, 38, 40
Sharp, 99, 104	Task Gallery, Microsoft Research, 185
shopping	TDMA, 28
securing Internet, 150–153	technology. See also specific technologies
self-checkout, 158–161	today's, 1–3
single log-in/profile for online, 32–36	tomorrow's, 162–163
Short Message Service. See SMS protocol	teleconferencing, 63
Sign In logo, .NET Passport, 35–36	Telefonica Moviles, 22
	telematics services, 73
SIM card, 29	telephones. See phones
single sign-on service, 32–36	television, 123–131
Sirius Satellite Radio, 73, 117, 122	digital vs. analog, 123
Skycar, Moller, 223–226	high-definition, 123–127
slide shows, 92	_=
Small Aircraft Transportation System, 226	playing games on, 132 recording live, 128–130
Smart Chip	<u> </u>
Private Payments system, 151–153	viewing photos on, 92–95
Readers, 151, 152, 153	Telstra, 22
smart labels, 211–214	Texas Instruments, 146, 214
smartphones, 18–22, 181	Thales Navigation, 77, 80
SMS protocol, 23–24, 50–53	ThinFax, 137–138
SONICblue, 131, 172	ThinMail, 137–139
Sony	three-factor authentication, 39
digital camcorders, 99	Time Division Multiple Access, 28
digital cameras, 91	TiVo, 130, 131
Memory Stick, 98	Toro iMow, 201, 204, 205
robot puppies, 201	Toshiba
and satellite radios, 122	digital cameras, 91
Sony Ericsson	fingerprint reader, 38
digital camera phones, 104	Pocket PC, 13–17
digital pens, 194–195	tablet PC, 141
ring-tone capable mobile phones, 26	Web site, 40
Spectrum24, 12	Training Center, WebEx, 64, 66
speech recognition, 181–183, 193	transporters, personal, 215-218
Speedpass, 145–149	TruckSecure, 74
spoken-language understanding, 181–183	Trustworthy Computing, 33

Turtle Beach Audiotron, 172 TV. See television TV Photo Viewer, Microsoft, 92–95 Tweeter, 131 U U Ultimate Electronics, 131 UltimateTV, 131 universal product codes, 211 UPC bar codes, 211 USB Evaluation Utility, 153 USB port, 86, 89, 111–112 usernames, Web site, 32, 37 V vacuum cleaners, robotic, 201, 204 VCRs, 128–130 Verizon, 7, 22, 31 vertical-takeoff-and-landing aircraft, 224 VHS-C cassette tapes, 96, 98 VHS cassette tapes, 96, 98 video, digital, 96–99 video capture, 98 video conferencing, 63–67 video-editing software, 99 video files, sharing, 105–108 video recorders, 128–131 ViewSonic, 141 ViisageTechnology, 38, 40 Virtual Advisor, OnStar, 68–69, 71, 73–76 Virtual Devices, 207, 208, 209 virtual keyboards, 206–209 virtual private networks. See VPNs virtual tours, 197–200 viruses, 106 vision, computer, 190–192 Vision Camera, Sprint VCS, 100–104 VKB, 207 Vodafone, 22 voice-activated services, 46–49, 68 voice communications, using Internet for, 51,	Web, sharing files via, 105–108 Web sites, registering with, 32 WebEx, 63–67 WECA, 11 WEP setting, 11–12 Wherify Wireless personal locator, 81–85 Wi-Fi, 11, 170 Wide Area Augmentation System, 79 wide area networks, 178 Wideband CDMA, 28 WIN, 63 Windows CE, 14, 20 Windows Journal, 142 WinMX, 105, 108 Wired Equivalent Privacy setting, 11–12 wireless access points, 8–9, 11–12 wireless cards, 8–12 wireless carriers, 104 wireless commerce applications, 210 wireless commerce applications, 27–28 wireless connection and alerts/notifications, 55 and instant messaging, 50–54 and PDAs, 16 sending faxes via, 137–138 using many devices with one, 177–180 Wireless Ethernet Compatibility Alliance, 11 wireless LANs, 8–12, 171 world phones, 27–31 WorldBoard Forum, 198, 200 WorldConnect Service, AT&T Wireless, 31 writable disks, 110–111 X X Xbox Live, Microsoft, 132–135 XM Satellite Radio, 117–122 channel listings, 118 contact information, 122
Vodafone, 22 voice-activated services, 46–49, 68	XM Satellite Radio, 117–122 channel listings, 118 contact information, 122 features and benefits, 120–121
VPNs, 16, 44 VTOL aircraft, 224, 226	how it works, 119–120 retail outlets, 122 XML, 60, 64
W	Υ
WAAS, 79 Wol Mart, 158, 159	·
Wal-Mart, 158, 159	Yahoo! Messenger, 50, 53, 54
wallets, digital, 154–157	YourMobile, 23, 24, 26
WANs, 178	Z
.WAV format, 115 WCDMA, 28	
w CDIVIA, 20	Zenith, 127