

Eleven ultralight notebooks are heavy on RAM and wireless connectivity

GCNLAB	Toughbook CF-W2	Latitude D400	ThinkPad R40	LifeBook P5000	Latitude X300	nc4000
Vendor	Matsushita Electric Corp. of America Secaucus, N.J. tel. 800-662-3537 www.panasonic.com	Dell Inc. Austin, Texas tel. 800-999-3355 www.dell.com	IBM Corp. Armonk, N.Y. tel. 914-499-1900 www.ibm.com	Fujitsu Ltd. San Jose, Calif. tel. 408-982-9500 www.fujitsu.com	Dell Inc.	Hewlett-Packard Co. Palo Alto, Calif. tel. 970-635-1000 www.hp.com
Processor	900-MHz Pentium Centrino	1.7-GHz Pentium M	1.3-GHz Pentium Centrino	900-MHz Pentium M	1.2-GHz Pentium M	1.6-GHz Pentium M
Weight	2 pounds, 13 ounces	3 pounds, 15 ounces	3 pounds, 10.6 ounces	3 pounds, 14.4 ounces	3 pounds, 6 ounces	3 pounds, 11 ounces
Weight with power cable	3 pounds, 9 ounces	4 pounds, 12.8 ounces	4 pounds, 4.8 ounces	4 pounds, 10.4 ounces	3 pounds, 15 ounces	4 pounds, 8.2 ounces
Weight with power cable and optical drive	3 pounds, 9 ounces	5 pounds, 14.6 ounces	6 pounds, 4.2 ounces	4 pounds, 10.4 ounces	5 pounds, 13 ounces	6 pounds, 2 ounces
Dimensions in inches	10.6 by 8.3 by 1.2	11.6 by 9.6 by 1	10.7 by 8.8 by 1.2	10.6 by 7 by 1.59	10.8 by 9.2 by 0.8	11 by 9.2 by 1.1
Screen size in inches	12.1	12.1	12.1	10.6	12.1	12.1
Hard drive in gigabytes	37.2	37.2	15.7	37.2	37.2	37.2
Integrated wireless	Intel Centrino	Broadcom	Intel Centrino	Broadcom	Broadcom	Broadcom
RAM in megabytes	248	512	256	248	376	480
Graphics card	Intel 82852	Intel 82852	ATI Mobility Radeon	Intel 82852	Intel 82852	ATI Radeon IGP 350M
Battery life	3 hours, 33 minutes	2 hours, 21 minutes	3 hours, 17 minutes	2 hours, 30 mintes	1 hour, 50 minutes	2 hours, 12 minutes
Alterion benchmark score	3,437	5,308	4,242	3,604	4,481	4, 195
Pros	+ Lightweight + Dual-spindle	+ Best Alterion benchmark score + Long battery life	+ Long battery life + Good graphics card	+ Dual-spindle + Inexpensive	+ Lightweight + Good Alterion benchmark score	+ Good graphics card
Cons	N/A	- Heavy	- Small hard drive	- Reduced screen size	- Short battery life	- Heavy when fully loaded
Price	\$2,150	\$2,051	\$1,799	\$1,499	\$1,926	\$2,049
Overall grade						

GCNLAB	Vaio PCG-TRIA	Toughbook CF-I8	200ARC	Actius PC-MV14	Portegé R100
Vendor	Sony Electronics Inc. Park Ridge, N.J. tel. 800-571-7669 www.sony.com	Matsushita	Gateway Inc. Poway, Calif. tel. 858-848-2580 www.gateway.com	Sharp Electronics Corp. Mahwah, N.J. tel. 800-237-4277 www.sharp.com	Toshiba America Information Systems Inc. Irvine, Calif. tel. 800-477-1616 www.toshiba.com
Processor	893-MHz Pentium Centrino	900-MHz Pentium Centrino	1.6-GHz Pentium Centrino	1.2-GHz Pentium III Mobile	897-MHz Pentium Centrino
Weight	3 pounds, 2.6 ounces	4 pounds, 9.4 ounces	4 pounds, 4.6 ounces	4 pounds, 3 ounces	2 pounds, 5 ounces
Weight with power cable	3 pounds, 14.6 ounces	5 pounds, 5 ounces	5 pounds, 2.6 ounces	4 pounds, 15.6 ounces	3 pounds
Weight with power cable and optical drive	3 pounds, 14.6 ounces	No optical drive submitted	5 pounds, 2.6 ounces	4 pounds, 15.6 ounces	No optical drive submitted
Dimensions in inches	10.6 by 7.4 by 1.4	10.7 by 8.5 by 1.9	12.4 by 10.2 by 0.94	11.1 by 9.4 by 1	11.3 by 9 by 0.6
Screen size in inches	10.6	10.4	14.1	12.1	12.1
Hard drive in gigabytes	27.8	37.2	55.8	37.2	18.6
Integrated wireless	Intel Centrino	Intel Centrino	Intel Centrino	LAN-Express	Intel Centrino
RAM in megabytes	508	248	504	256	256
Graphics card	Intel 82852	Intel 82852	Intel 82852	Intel Extreme Graphics	Trident Video Accelerator
Battery life	3 hours, 27 minutes	4 hours, 48 minutes	1 hour, 39 minutes	2 hours, 26 minutes	1 hour, 17 minutes
Alterion benchmark score	3,570	4,323	5,302	3,161	3,356
Pros	+ Lightweight + Dual-spindle	+ Longest battery life + Rugged	+ Good Alterion benchmark score	+ Large hard drive	+ Lightweight
Cons	- Reduced screen size	- Most expensive	- Short battery life - Heavy	- Lowest Alterion benchmark score - Pentium III	- Short battery life - No optical drive
Price	\$2,299	\$3,200	\$2,339	\$1,999	\$2,299
Overall grade					