

The original Dana came bundled with communication software, but unless you had a hard-to-obtain IrDA modem, you were hard pressed to use any of it. That all changes with the 802.11b Dana Wireless. Students and businesspeople are finding WiFi everywhere these days, and nothing is more suited to the task of note taking and mobile research than a widescreen Palm device with a large keyboard. The new Dana Web Browser, available in the optional Internet Solutions Pack supports HTML 2 through 4, plus Java-Script 1.3, and direct download of files, such as PRC (Palm program format) and MP3. It also includes MarkSpace Mail and VeriChat, a widescreen IM client. The Dana Wireless also has 16MB RAM, 2 SD slots, 2 USB slots and the excellent AlphaWord word processor as well as software for syncing and modifying Word, Excel, and PowerPoint files.

0 1 2 0 1	
Processor	Motorola Dragonball VZ 33MHz
0S	Palm OS 4.1.2
RAM/ROM	16MB/8MB
Expansion	2 MMC/SD/SDIO slots
Display Type	backlit monochrome LCD
Display size/res	olution 7.75"/560 x 160
Color depth	monochrome
Input method	80% Qwerty keyboard/Graffiti 2
Voice recording	no
MP3 playback	no
Alarm	audible
Screen lid	no
Housing	semi-rugged ABS plastic
Dimensions	9.3 x 12.4 x 1.9 inch
Weight	2.0 lbs.
Power	Rech. Batt pack/3AAs, AC adapter
Cradle/Dock inc	luded? N/A
Connectivity	2 USB, IrDA, 802.11b
Software bundle	Wide apps, AlphaWord,
P	rintBoy, Palm Reader, QuickOffice

Admin software, ImagiWorks for Dana

Options

SPECIFICATIONS



Resembling the original Zire only in appearance, the Zire 71 is currently Palm's most universally appealing offering. Its vibrant high-res screen is shockingly bright, offering that paper-like contrast we've long desired. It also includes a nifty slider that reveals a VGA camera for quick capture of HotSyncable snapshots without an accessory. Instead of scroll buttons or 5-way nav disk, the 71 has a joystick for familiar and easy onscreen navigation. It has a powerful OMAP310 processor and runs OS 5.2, which gives it snappier performance than the Tungsten T at many tasks. Its SD card slot also reads and writes faster than existing T units. The only real drawback for existing Palm users is the substitution of Graffiti 2, a more complicated entry method; software is available to get around that, though. Otherwise, this is a best of class device that will surely impress.

3 I L 0 I	
Processor	TI OMAP310, 144MHz
0\$	Palm OS 5.2.1
RAM/ROM	16MB RAM
Expansion S	D/SDIO/MMC/Universal Connector
Display Type	Transflective TFT
Display size/res	olution 320 x 320
Color depth	65,536 colors
Input method	Graffiti 2
Voice recording	no
MP3 playback	yes
Alarm	audible
Screen lid	no
Housing	plastic
Dimensions	4.5 x 2.9 x 0.67 inch
Weight	5.3 ounces
Power	Lithium Ion
Cradle/Dock inc	luded? yes
Connectivity	IrDA, USB
	PDA apps, picture software, MP3,
Kinoma Player	VersaMail, Palm Reader, Solitaire
Options	Keyboard, Bluetooth adapter, etc

SPECIFICATIONS



As good as the Tungsten T is, it was just a step behind the Zire 71 in some ways. You had to know that Palm couldn't let this stand. So just a couple weeks after the launch of Schwarzenegger's T3 came Palm's Tungsten T2. In addition to the T's Bluetooth, SD, and high-res screen comes a brighter backlit TFT, a faster OS, faster SD, and double the RAM. That it still has all that a Tungsten T has means it's a great choice as a personal data device, including truly wireless retrieval of email and Web data. One addition that some won't be ready for is the replacement of Graffiti with Graffiti 2. Most existing Tungsten T users will already be familiar with Graffiti, and might not like the conversion. However, users will be able to write on the screen, with the traditional Graffiti area closed. It's the already excellent Tungsten T made better, brighter, roomier and up-to-date.

Processor TI OMAP1510, 144MHz Palm OS 5.2.1 05 RAM/ROM 32MB RAM **Expansion** SD/SDIO/MMC/Universal Connector Display Type Display size/resolution 320 x 320 Color depth Input method Graffiti 2 Voice recording MP3 playback yes Alarm audible, vibrate, LED Screen lid ves Housing **Dimensions** 4 x 3 x 0.6 inch Weight 5.6 ounces Power Lithium Ion Polymer Cradle/Dock included? IrDA, USB Connectivity **Applications**

Kinoma, VersaMail, Palm Reader, Docs to Go

Keyboard, camera, 802.11b sled

Options

SPECIFICATIONS



Even the most basic Palm OS PDA offers a lot SPFCIFICATIONS of functionality and can be very popular with users, as is exemplified by Palm's low-end Zire. By comparison, Sony's low-end SJ20 offers quite a bit more for just another US\$30. It has a 320 x 320 backlit monochrome screen. The backlight is excellent because it appears paper white. It has 16MB RAM and a Memory Stick slot, works with standard Sony cradles (optional) and runs a 33MHz Dragonball, which effectively leaves the Zire in the dust. The unit has a very long battery life compared to color units—up to 15 days—and this is the only place the Zire excels. Further, the SJ20 can accept the CLIE Audio Adapter and play MP3 or ATRAC3 music files for US\$99 more. With Docs to Go bundled as well, the SJ20 is an impressive machine for the money. The only drawback is that it doesn't include a cradle, very helpful for both new and old users.

SPECI	FICATIONS
Processor	Dragonball VZ 33MHz
0S	Palm OS 4.1
RAM/ROM	16MB RAM
Expansion	Memory Stick, HotSync port
Display Type	monochrome TFT
Display size/reso	olution 320 x 320
Color depth	16
Input method	Graffiti
Voice recording	no
MP3 playback	optional accessory
Alarm	audible
Screen lid	yes
Housing	plastic
Dimensions	4 1/8 x 2 7/8 x 11/16 inch
Weight	4.5 ounces
Power Lithium Ion	
Cradle/Dock included? no	
Connectivity IrDA, USB	
Applications	PDA apps, Paint, Picture Gear
World Alarm Clock, gMovie, Docs to Go, games	
Options	keyboard, game controller, MP3



If you're looking for a powerful multimedia PDA with a reasonable quality digital camera and all the other fancy stuff, but don't like the price and size of the NZ90, this is the perfect device. Its pop-out WiFi/CF slot can be used for either wireless or for massive data storage. For storage of pictures and video, however, you're going to have to stick with Memory Stick, with its faster interface. The digital camera is capable of 1.3 megapixel stills as well as video capture, and it includes an illumination light to improve both video and still captures. It has all you've come to expect from the NX series, including a remote control for thousands of devices, mail, Web browsing, voice recording, MP3, world alarm clock, Picsel viewer, and a lot more. Sony really improved the feel of the NX design, and added a backlit keyboard. It's more of just what you need when and where you need it.

Processor	Intel 200MHz StrongARM
0S	Palm OS 5.0
RAM/ROM	32MB RAM/32MB ROM
Expansion	Memory Stick, CF, USB
Display Type	Transflective TFT
Display resolution	320 x 480
Color depth	65,536 colors
Input method	Qwerty keyboard, Graffiti
Voice recording	yes
MP3 playback	yes
Alarm	audible
Screen lid	yes, via flip
Housing	metal
Dimensions	5.25 x 2.87 x 0.87 inch
Weight	8 ounces
Power	Lithium Ion
Cradle/Dock include	d? yes
Connectivity IrDA	, remote IrDA, USB, WiFi opt.

SPECIFICATIONS



The Axim is Dell Computer's first Pocket PC and also the company's first offering in the handheld market. In most ways the Axim follows Dell's overall strategy of building solid, workmanlike products at economical prices. A fully equipped Axim X5 includes all the goodies you expect from a contemporary Pocket PC: a fast 400MHz XScale processor, 64MB of RAM, and an indoor/outdoor transflective color display. It also has a removable battery and both a Compact Flash and a SD Card slot. The Axim is relatively large and heavy by today's standards and we wish Dell had used the larger 3.8-inch display instead of the Axim's smaller 3.5-incher, but you can't argue with the price. For US\$325 the Axim is a terrific deal and a very good choice, and if you can live with a bit less memory and a 300 MHz chip, you can even get one for just \$199.

SPECIFICATIONS

Options

Software bundle PDA apps, Paint, Picture Gear

World Alarm Clock, gMovie, Docs to Go, more

Speaker cradle, WiFi card, game cont.

Processor In	tel XScale PXA250,300 or 400MHz
0S	Windows Mobile 2003
RAM/ROM 3	2 or 64MB/32 or 48MB StrataFlash
Expansion	1 CF Card Type II, 1 SD/MMC Card
Display Type	Transflective TFT
Display size/re	esolution 3.5-inch/240 x 320
Color depth	64K colors
Input method	onscreen kbd, hrw
Voice recording	g yes
MP3 playback	yes
Alarm	audible
Screen lid	no
Housing	plastic
Dimensions	3.2 x 5.05 x 0.71 inch
Weight	6.9 ounces
Power	1,440 mAH Li-lon ("up to 8 hrs.")
Cradle/Dock in	ncluded? yes
Connectivity	IrDA, USB, power, audio
Applications	Pocket PC apps
Options	Cases, wireless, 3.4 Ah battery
Options	Keyboard, extra memory



Hewlett Packard seems determined to cement its leadership position in the Pocket PC arena (as if that were necessary!) and the new iPAQ h2200 Series is another big step in that direction. The h2200 is considerably smaller and lighter than the "big" iPAQs and just a tad larger and heavier than the diminutive h1900 Series. Though the new speedier and SDIO/Bluetooth-equipped h1930/40 has narrowed the gap, the h2200 Series is faster yet with a 400MHz PXA255 XScale processor, and it also has both a SDIO-capable SD/MMC and a Compact Flash slot. That can make all the difference, especially since almost all useful peripherals and add-ons still use the Compact Flash format. The h2200's transflective display is very good, but not quite as good as that on the h1900 Series, but other than that. this is an absolute winner of a device. Pocket PC technology at its finest.

SPECIFICATIONS **Processor** Intel XScale PXA255, 400MHz Windows Mobile 2003 08 RAM/ROM 64MB/32MB Flash **Expansion** 1 CF Card Type II, 1 SD/MMC SDIO **Display Type** Transflective TFT Display size/resolution 3.5-inch/240 x 320 Color depth 64K colors Input method onscreen kbd, hrw Voice recording MP3 playback yes Alarm audible, LEDs Screen lid nο Housing **Dimensions** 3.0 x 4.54 x 0.61 inch Weight 5.1 ounces Power 900 mAH Li-lon ("up to 12 hrs.") Cradle/Dock included? Connectivity IrDA, Bluetooth, USB, dock, Pocket **Applications** PC apps. iPAQ Viewer **Options** Nylon case, cradle/dock, memory

chargers, wireless, SD cards

Options



The 5550, successor of the identically styled 5450, is Hewlett Packard's top-of-the line Pocket PC. Like the slightly more basic 5150 it spawned, the 5550 refines the original Compag iPAQ's overall design but can still use all of the older sleeves. An enterprise handheld, the 5450 has both Bluetooth and integrated 802.11b wireless LAN. It also has a fingerprint identification scanner for security (located below the navigation disk). The 5550 has a 400 MHz PXA255 XScale processor, 128MB of RAM, and the awesome 3.8-inch transflective display that remains unmatched. Based on Windows Mobile 2003, the 5550 comes with lots of handy software apps and utilities including automatic internal data backups. Like its predecessor, the 5550 only has a SD slot and needs optional sleeves for additional expansion. Despite the steep price, this is a bargain.

SPECIF	ICALIUNS
Processor I	Intel XScale PXA255, 400MHz
0S	Windows Mobile 2003
RAM/ROM	128MB/48MB Flash
Expansion	1 SD/MMC SDIO
Display Type	Transflective TFT
Display size/resolut	ion 3.8-inch/240 x 320
Color depth	64K colors
Input method	onscreen kbd, hrw
Voice recording	yes
MP3 playback	yes
Alarm	audible, LEDs
Screen lid	no
Housing	metal
Dimensions	3.25 x 5.45 x 0.63 inch
Weight	7.3 ounces
Power 1,25	0 mAH Li-lon ("10-128 hrs.")
Cradle/Dock include	ed? yes
Connectivity IrDA,	Bluetooth, audio, USB, WLAN,
Applications	Pocket PC apps, iPAQ Viewer
Options	Numerous expansion sleeves
Options Extende	ed battery, chargers, SD cards

SPECIFICATIONS



After the Palm OS-based, relatively low-tech i300, Samsung tries again with the significantly more advanced SPH-i700 Windows Powered Pocket PC. Since the FCC approval process for communications equipment can be quite lengthy, Pocket PC phones tend to be technologically on the trailing edge by the time they finally become available. The i700, too, lags behind a bit with its 300MHz PXA250 processor, but not by much. It is an amazingly small and handy little device that combines complete Pocket PC functionality with satisfyingly high-speed data transfer. A built-in 640x480 digital camera provides extra entertainment value. The i700 is initially available through Verizon for use with its digital CDMA network (no analog support). It may become available via other carriers. All in all, this is probably the most advanced Pocket PC phone available.

Processor Intel XScale PXA250, 300MHz Pocket PC 2002 Phone Edition ns RAM/ROM 64MB/32MB Flash Expansion 1 SD/MMC SDIO **Display Type** Transflective TFT Display size/resolution 3.5-inch/240 x 320 Color depth 64K colors Input method onscreen kbd, hrw Voice recording MP3 playback ves Alarm Screen lid Housing **Dimensions** 2.76 x 5.2 x 0.63 inch Weight 6.9 ounces **Power** 1,1 AH LiPolymer, 2.2 hrs talk, 130 standby Cradle/Dock included? Connectivity IrDA, CDMA, GPS, camera, audio **Applications** Pocket PC Phone apps **Options** Extended battery

Chargers, SD cards

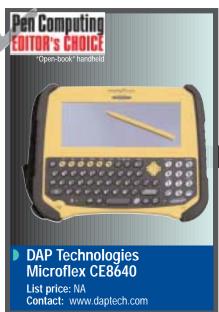
Options

SPECIFICATIONS



Based on the modern and powerful Windows CE.NET, the Casio DT-X10 is a rugged industrial handheld terminal rather than a Pocket PC in a tougher housing. It has a small numeric keypad for rapid data entry as well as some function and navigation keys. Its speedy XScale processor and large battery combine to make the DT-X10 a powerful and flexible tool that can be used for a wide variety of industrial and business applications. The device shines in the communication arena, offering both integrated Bluetooth and 802.11b wireless LAN. There is also a builtin high-performance CMOS imager capable of reading one and two-dimensional codes as well as OCR. And internal PC Card slot offers additional expansion, and there is a separate CF Card expansion option. The 3.5-inch transmissive display uses a special coating for outdoor readability.

SPECIFICATIONS Form-factor Flashlight-style handheld Market(s) Any industrial Intel PXA250/300 MHz Processor/Speed Microsoft Windows CE .NET RAM/ROM 32MB/32MB Card slots 1 PC Card Type II Display type Coated transmissive color TFT Display size/res 3.5-inch/240 x 320 Digitizer/pens touch/1 23-key keypad Keyboard/keys Housing plastic/rubber Operating temp. -20 to 50 degree C Sealing IP54/IP64 Shock 4 feet to plastic tile over concrete **Dimensions and volume** 3.2 x 8.7 x 1.8 Weight 14 ounces Power 3,400 mAH Li-lon (8 hrs) Bluetooth, IR, USB, 802.11b Interface 1/4-inch CMOS Imager. audio, power Interface **Options** CF extension slot, extended battery **Options** Vehicle-mount charger, chargers



DAP Technologies' MicroFlex 8640 is a 9 x 7 x 2 inch block of ergonomically sculpted plastic that feels just about indestructible. Technically speaking it is a Windows CE device running CE 3.0 on a 206 MHz StrongARM processor. It has a wide-format 640 x 240 transflective color display that's very readable indoors and outdoors. The 8640 also has a full, albeit small, QWERTY keyboard. Two internal Type II PC Card slots provide expansion for internal radios and other add-ons. The battery is a beefy 15 Watt Hour Li-Ion unit good for at least a full shift. The 8640 comes with 32 or 64MB of RAM plus two 16MB NAND Flash storage units. The device carries an impressive IP67 rating which means it is almost completely sealed and impervious to the elements. The 8640 is complemented by a choice of charging and communications docks.

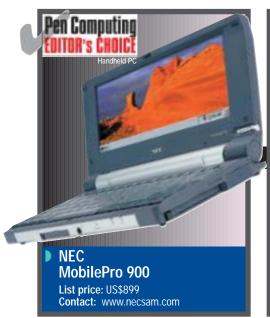
Form-factor	Handheld PC			
Market(s)	Heavy duty industrial			
Processor/Speed Stro	ongARM SA-1110/206 MHz			
0S	Microsoft Windows CE 3.0			
RAM/ROM	32-64MB/32-128MB			
Card slots	2 Type II PC Card			
Display type	Transflective color LCD			
Display size/res	6.5-inch/640 x 240			
Digitizer/pens touch/1				
Keyboard/keys	oard/keys 64-key QWERTY, 65% scale			
Housing	plastic/rubber			
Operating temp 4 to 122 degree F				
Sealing	IP67			
Shock	4 feet drop			
Dimensions and volu	me 9.1 x 7.3 x 2.0			
Weight	2.4 lbs.			
Power	Li-lon ("2-3 working days")			
Interface	Serial, IrDA			
Interface RJ45, US	SB, additional serial via dock			
Options	Integrated laser, RFID			
Options	Printer, scanner, cradles			

SPECIFICATIONS



The very successful 700 Series is Intermec's state-of-the-art handheld mobile computer. Now available with a 400 MHz XScale processor and the powerful Pocket PC 2003 operating environment, the 700 Series is clad in a very rough, rugged body and has plenty of expansion capability (including many radio types and Bluetooth) and peripheral options to address the realities of harsh environment and industrial markets. A programmable 18-key keypad offers a wealth of functionality. A CF Card slot and an internal PC Card slot are used for a variety of wireless radio options. The 700 Series looks and feels rock-solid. Its ruggedness and the integrated keypad make it larger and heavier than a consumer market PDA (or the Intermec 600) but it is still handy enough to be put in a pocket. The mobile computing equivalent of a homerun.

S P E C I F I C A T I O N S Form-factor Rugged PDA Market(s) Mobile, retail, industrial Processor/Speed Intel XScale PXA255/400 MHz Microsoft Pocket PC 2003 RAM/ROM 64 - 128 MB/32MB Flash **Card slots** 1 Type I PC Card and 1 Type II CF Display type Frontlit reflective TFT Display size/res 3.8-inch/240 x 320 Digitizer/pens Keyboard/keys 18 keys Housing Plastic with metal inserts Operating temp. -4 to 140 degree F Sealing Shock 26 times 5 feet to concrete **Dimensions and volume** 3.5 x 7.25 x 1.5 Weight 16 ounces 14.4 WHr Li-lon ("6-10 hrs") Power RS232, IrDA, power Interface Interface LAN, USB **Options** Modem, Bluetooth, WAN, RF **Options** Lasers and imagers, printers, docks



The NEC MobilePro 900's lineage goes all the way back to the first Windows CE-based HPCs in late 1996, which means NEC has a lot of experience with this form factor. More directly, the 900 goes back to the ground-breaking "large form factor" Mobile Pro 750 which then became the 770 (new design) and 780 (faster processor, scroll wheel) and finally the 790 with Handheld PC 2000 and extra Flash for custom applications. The 900 gets a state-of-theart 400MHz XScale chip, and yet more memory and flexibility. With the MobilePro 900 you thus get a very mature handheld PC with an almost full-size keyboard, a large display, good battery life, good expansion, and the mature Handheld PC 2000 software. And with the demise of HP's Jornada 720, the best thing about the MP900 is that, like Disney's Tigger, it is the only one.

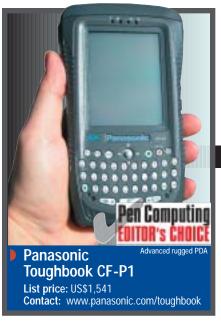
31 L 0 I	1 1 0	ΛΙ	10	14	J
Form-factor			Handh	eld	PC
Market(s)	Various	mobile f	ield app	licati	ons
Processor/Speed	lr	ntel PXA	255/40	00 M	Hz
OS	Windo	ws Hand	dheld Po	20	00
RAM/ROM	64ME	3/32MB	Flash +	321	ИΒ
Card slots 1 Ty	pe II PC (Card, 1 T	ype II C	F Ca	ard
Display type		:	STN col	or L	CD
Display size/res		8	3.1"/64	0 x 2	240
Digitizer/pens				ouch	201
Keyboard/keys		78 ke	ys, 92%	SC6	ale
Housing				Plas	
Operating temp.		-4 to	122 de		
Sealing					53
Shock			et to co		
Dimensions and w	olume		9.7 x 5.	1 x 1	1.2
Weight				pou	
Power			on ("8 ł		
Interface		USB 1.			
Interface		A, RJ11			
Options Large	battery,	case, ch	arging	stati	on

Serial cable, AC adapter

Options

SDF

SPECIFICATIONS



Panasonic's successful Toughbook line of reliable, ruggedized notebook computers includes a hardened PDA, the Toughbook 01. The 01 merges complete Pocket PC functionality with a ruggedized case and a 38-key RIM-style mini-keyboard. Features include the 206MHz StrongARM processor, a reflective color display, a MMC/SD card slot and an internal CF Card slot. The RIMstyle keyboard allows for rapid data entry in situations where stylus/onscreen data entry are not appropriate. The moisture and shock resistant magnesium housing provides extra protection, and Panasonic also offers a variety of integrated wireless and data collection options. The Toughbook 01 is larger than a standard consumer class PDA, but still small and handy enough to carry in a pocket. A very worthwhile addition to the Toughbook line.

3 F E C	IFICATIONS
Form-factor	Rugged PDA
Market(s)	Any industrial
Processor/Spe	ed StrongARM SA-1110/206 MHz
0S V	Vindows CE 3.0 or Pocket PC 2002
RAM/ROM	32 or 64MB/32MB Flash
Card slots	1 CF Card Type II, 1 SD/MMC Card
Display type	Frontlit reflective TFT
Display size/re	es 3.5-inch/240 x 320
Digitizer/pens	touch/1
Keyboard/keys	backlit 38-key QWERTY
Housing	Magnesium
Operating tem	
Sealing	"dust and moisture resistant"
Shock	"drop shock-resistant"
Dimensions an	nd volume 3.9 x 6.8 x 1.6
Weight	1.0 pounds
Power	10.4 WH (1.4 AH/7.4V) Li-lon (8+ hrs)
Interface	IrDA, expansion connector
Interface	Audio in/out, power
Options	Cradle, cables, barcode scanner
Options	GPS, USB, holster, chargers, RF



The GeoExplorer CE Series from GPS (Global Positioning Systems) specialist Trimble is a unique device that combines a Windows CE-based with an integrated Trimble GPS receiver. Trimble offers different models. The GeoXM brings real-time corrected GPS info with two to five meter accuracy into GIS applications whereas the GeoXT adds a submeter-accuracy receiver and multipath rejection technology. USB and serial support modules provide communication capability for wired and wireless data transfer. The display has an anti-glare coating and an extra-strong backlight. The heavily ruggedized GeoExplorer has its own GPS controller and connector software and can run GIS software from ESRI, Trimble and others. The GeoExplorer comes with no less than 512MB of Flash, enough even for large databases and maps.

Form-factor Rugged PDA GIS data collection and maintenance Market(s) Processor/Speed StrongARM SA-1110/206 MHz 0\$ Windows CE 3.0 RAM/ROM 64MB/512MB Flash Card slots 1 Type II PC Card, 1 CF Card Display type Transmissive anti-glare color LCD Display size/res 3.8"/240 x 320 Digitizer/pens touch/1 Keyboard/keys onscreen PC/ABS Plastic Housing Operating temp. 14 to 122 degree F Sealing IP54 Shock NA **Dimensions and volume** 3.9 x 8.5 x 3.0 Weight 1.6 pound Power 21 WH Li-lon ("up to 10 hrs") Interface GPS, USB Interface Audio in/out, power **Options** Serial clip, antennas, hard case **Options** Vehicle power, GPS software, cameras

SPECIFICATIONS



Designed by ruggedness experts WalkAbout Computer (which sells this model as the WalkAbout XRT, the Intermec CT60 compares to consumer-grade Tablet PCs the way a Hummer does to a family sedan: both drive, but the Hummer is designed to take extreme punishment under the harshest conditions. Same for the CT60. Its case is milled from a solid block of aluminum. It carries a IP67 rating, which means it is almost completely sealed from the elements in every respect. Since Tablet PCs like the CT60 are likely to be used outdoors, Intermec offers a version with a transflective display that is viewable both indoors and outdoors. Due the the tight sealing, the CT60 doesn't have many onboard ports, so you'll need one of the several docks. We'd also recommend getting the CT60 with two rather than just one battery.

3 P E C I F I C	AIIUNS
Form-factor	Slate
Processor/Speed Mobil	e Pentium III/800 MHz
Chipset	Intel 830MG
OS Microsoft Window	s XP Tablet PC Edition
Standard/Max RAM	256MB/512MB
Disk	20 or 40 GB
Card slots	2 PC Card Type II
Display type Transmissi	ve or transflective TFT
Display size/res	10.4-inch/800x600
Color depth	16.7 million
Digitizer/pens	Wacom/1
Keyboard/keys	Optional external
Ruggedness	ultra-rugged (IP67)
Housing	Milled aluminum
Dimensions and volume	10.6 x 8.25 x 1.6
Weight	4.5 lbs.
Power Dual 21 WHr Li	i-lon ("4 hour typical")
Interface 1 USB ex	xternal, 2 USB internal
Interface	other ports via dock
Options Office and vehi	icle docks, carry cases
Options Port replicator, Cl	DPD, GPS, GSM, GPRS

SPECIFICATIONS



Motion Computing is a new company formed by two former Dell executives specifically to build Tablet PCs. Both their original M1200 and the new M1300 are sleek, elegant slates that can also be used in the office via a cleverly designed docking station that allows using the Motion slate both in landscape and portrait mode. Perhaps the biggest attraction of the M1200/1300 is its 12.1-inch display that gives it an edge over competing slates that all use 10.4-inch screens. The difference between the M1200 and M1300 is that the latter uses Intel's Centrino technology, which means a bit more speed and battery life. The M1300 also comes with more base memory and USB 2.0. Even the US\$2,099 base model comes with wireless, a desktop stand, and a keyboard--great deal. Available from Motion, Gateway, and Dell.

· - ·				
Form-factor			Slate	
Processor/Speed Intel Pentium M/1.0 GHz			.0 GHz	
Chipset		In	tel 855	
OS Micros	OS Microsoft Windows XP Tablet PC Edition			
Standard/Max RAM 512MB/1024MB			024MB	
Disk		up t	o 40GB	
Card slots		1 PC Card	Type II	
Display type Transmissive TFT			ive TFT	
Display size/res	Display size/res 12.1-inch/1024x768			
Color depth		16.7	million	
Digitizer/pens		Wa	acom/1	
Keyboard/keys Opt. external, 88 key, 100%				
Ruggedness		st	andard	
Housing	Housing Magnesium-alloy			
Dimensions and	d volume	11.7 x 9	.4 x 0.9	
Weight 3.3 lbs.			3.3 lbs.	
Power		11.1 V 3.6 AH	l Li-lon	
Interface	2 USB	2.0, RJ11, RJ4	5, IrDA	
Interface		video, audio, 8		
Options		top stand, carr	,	
Options	CD-ROM, I	DVD/CD-RW, ac	dapters	

SPECIFICATIONS



Anyone who wants Tablet PC functionality without giving up the comfort and familiarity of a conventional notebook should check out the Toshiba Portege 3500. The Portege looks and feels just like a standard ultra-light laptop. Its 12.1-inch display is larger and its 1.33GHz Pentium III processor faster that anything available from the competition. It has a full size keyboard, a tough magnesium housing, and even a SD/MMC card slot in addition to its PC Card adapter. A sturdy, well-engineered hinge lets you swivel the display and fold it flat onto the keyboard, turning the Portege into a slate. Among the drawbacks: significant heat build-up, screen flexing when you tap the display with the pen, and we'd like to see an internal optical drive in a device this size. Else, it is hard to beat Toshiba's excellent and versatile notebook convertible.

SPECIFICATIONS Form-factor Convertible notebook Processor/Speed Mobile Pentium III/1.33 GHz Trident Cyber Aladdin-T Chipset Microsoft Windows XP Tablet PC Edition 0\$ Standard/Max RAM 256MB/1024MB 20/30/40/60 GB 1 PC Card Type II, 1 SD Card **Card slots** Transmissive TFT Display type Display size/res 12.1-inch/1024x768 Color depth 16.7 million Digitizer/pens Keyboard/keys Integrated, 84 key, 100% Ruggedness Magnesium outer/plastic inner Housing 11.5 x 9.25 x 1.3 **Dimensions and volume** Weight 4.1 lbs. 10.8 V 3.6 AH Li-lon ("3.5 hrs.") **Power** Interface 2 USB 2.0, RJ11, RJ45, IrDA Interface audio, video, 802.11b CD-ROM, DVD, DVD/CD-RW **Options Options** Battery charger, extra pens



Itronix' GoBook II builds on the initial Go-Book (still available) and the company's older line of rugged X-C "Cross Country" notebooks. The GoBook II is improved in many ways, and considerably more powerful with its 1.7GHz mobile Pentium 4. Its magnesium housing, tight seals, and generous use of shock mounting make the Go-Book II a rugged notebook suitable for almost any environment. An expansion bay can accommodate a number of drive options or a second battery. A phosphorescent keyboard glows white in the night without using power. The anti-glare coated 12.1-inch display provides a degree of outdoor readability, and there is a transflective option. The GoBook is built for wireless communication and can accommodate a variety of radio modems. An excellent combination of ruggedness, expandability, and performance.

SPECI	FICATIONS
Form-factor	Rugged notebook
Market(s)	Test and measurement markets
Processor/Speed	Intel Pentium 4M/1.7GHz
OS Mic	crosoft Windows XP Professional
RAM/Storage	128-1024MB/20-30 HD
Card slots	1 PC Card Type II/III
Display type	Color-vue transmissive TFT
Display size/res	12.1"/1024 x 768 XGA
Digitizer/pens	touch/1
Keyboard	87 key waterproof, full-scale
Housing	Magnesium die-cast
Operating temp.	-10 to 140 degree F
Sealing	IP54
Shock	26 x 3 feet to concrete
Dimensions	12.0 x 9.8 x 2.4
Weight	7.9 pounds
Power	67 WHr Li-lon
Interface	RS232, IrDA, PS/2, USB, dock
	o in/out, RJ11, RJ45, media bay
	HD/FD/CD-ROM/DVD, Bluetooth
Options 12.1	1" transflect. display, various RF



The Toughbook T1 is a compact, ultra-light notebook computer that weighs just 2.4 pounds. That's significantly lighter than even Tablet PC slates. Handsomely designed, the T1 has the look and feel of Panasonic's full-size Toughbooks, only downsized. Its 866MHz Mobile Pentium III processor and its bright 12.1-inch display make it a tool for real work. Despite its light weight, the Toughbook T1 feels sturdy and very well made, and it should as Panasonic uses the same materials and design principles as in its big, rugged notebooks. We liked the T1's full-size keyboard, very responsive touchpad, and almost total lack of annoying heat build-up, but missed a touchscreen option. Another plus: a large power pack provides excellent battery life. We got up to four hours. And the SD Card lets you store lots of data on a tiny card.

SPECIFI	CALIONS
Form-factor [Ourable ultralight notebook
Market(s)	Professionals and business
Processor/Speed 1	Mobile Pentium III/866MHz
OS Microsof	t Windows XP Professional
RAM/Storage	256-512MB/40 HD
Card slots 1 PC Card	Type II, 1 CF Card, 1 SD Card
Display type A	nti-Glare transmissive TFT
Display size/res	12.1"/1024 x 768 XGA
Digitizer/pens	NA
Keyboard	85 key, full-scale
Housing Magnesium alloy, stainless steel hinges	
Operating temp.	NA
Sealing	NA
Shock	NA
Dimensions	10.6 x 8.3 x 1.0
Weight	2.4 pounds
,	AH/7.4V) Li-Ion (around 4 hrs)
Interface	RJ45, RJ11, 2 USB 2.0
Interface	audio in/out, video
	D-RW/DVD drive, 802.11b
Options	External USB floppy



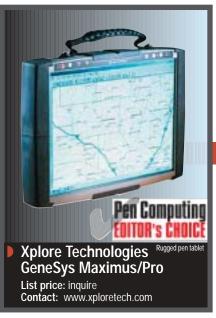
The Toughbook CF-28 is Panasonic's most popular machine for field computing in harsh environments. With an all-magnesium housing, the CF-28 sports excellent industrial design and, after the latest electronics update, most of the computing power of a state-of-the-art notebook without the durability headaches that come with standard consumer products. Now also available with a 12.1-inch SVGA transflective display for superior outdoor readability, the CF-28 is a very capable and flexible performer with a range of expansion options to suit any need. It can be ordered pre-configured for several wireless data networks including the CDPD, GSM, GPRS and WiFi standards. The multi-purpose media bay, port panel, and PC Card bay are all protected under sealed doors; this notebook does not need a case, it is one.

SPECIFICATIONS Form-factor Rugged notebook Market(s) Government, police, military, utilities Processor/Speed Pentium III-M/1.0 GHz Microsoft Windows 2000/XP RAM/Storage 256-512MB/30GB HD Card slots 2 Type II PC Card Display type Transflective or transmissive TFT Display size/res 13.3"/1024 x 768 XGA Digitizer/pens Backlit* 87-key, 100%-scale Keyboard Housing Magnesium alloy Operating temp. -20 to 140 degree F Sealing Shock 26 x 3 feet drop to concrete 11.9 x 10.8 x 2.5 **Dimensions** Weight 9.3 pounds 60 WHr (5.4, 11.1V) Li-lon ("4 hours") Power RS232, Parallel, USB, PS/2, RJ45 Interface Interface IrDA, audio in/out, RJ11, power **Options** Docks, 12.1" transflective SVGA, RF Carry bag, 2nd battery, CD/DVD/CD-RW **Options**



When evaluating the Panasonic 07 you need to forget everything you know about mobile computers because this one is different. The 07 consists of a "computer" that's about the size and weight of a standard brick, a dock that offers just about any port and interface you can think off, and a wirelessly connected 8.4-inch transflective TFT display. The idea is that you mount the dock with the computer in a car or a warehouse and then roam around with just the 1.5 pound tablet to carry. The tablet remains connected to the computer via an 802.11b wireless link and acts just as if it had the computer built in. If you need to roam further from the base, you can simply stick the PC "brick" into a holster-vest that also has a pocket for the display, and the whole system becomes a wearable computer. Excellent idea, and it works great.

SPECIFICATIONS Form-factor Market(s) Safety, warehouse, hospitality Processor/Speed Intel Pentium M/900 MHz 05 Microsoft Windows 2000 RAM/ROM 128 to 256 MB/ 5 GB HD Card slots 1 PC Card Type II Display type Transflective TFT Display size/res 8.4-inch/800 x 600 SVGA Digitizer/pens touch/1 Opt. external Keyboard/keys Housing Magnesium-alloy Operating temp. 14 to 140 F Sealing 26 x 4 feet to concrete Shock **Dimensions and volume** 7.9 x 3.6 x 2.1 Weight 2.1 lbs. (display 1.5 lbs.) Power 13.3 WH (1.8 AH/7.4V) Li-lon ("up to 4 hrs." Interface Dock, RF Interface RS232, USB, 802.11b Ontions Port replicator, wireless, dock CD-ROM, vehicle mount **Options**



The Maximus is the flagship of Xplore Technologies' GeneSys line. Despite a larger 12.1-inch display compared to the geneSys II, the Maximus has the same proportions and weighs just five pounds. Overall design and construction is trust-inspiring, and downright tanklike. The magnesium case has absolutely no flex and combined with massive rubber bumpers, protects the large XGA color display. A transflective SVGA 12.1-inch display is also available. Onboard connectivity is limited to to IR and USB, but the Maximus offers excellent I/O via some of the best (and most secure) docking systems in the business. While the resistive passive digitizer precludes the use of the XP Tablet PC Edition, this is not a big issue (yet) in the Maximus' target markets where a touch screen and the rock-solid Windows 2000 may actually be preferred.

S P E C I F I C A T I O N S

Form-factor	Rugged Slate
Market(s)	Utilities, government, military
Processor/Speed	Intel Pentium III/700 MHz
0S	Microsoft Windows 2000 or XP
RAM/ROM	128 to 512MB/up to 40GB HD
Card slots	2 Type II PC Card internal
Display type Tr	ransmissive or transflective* TFT
Display size/res	12.1-inch/1024 x 768 XGA
Digitizer/pens	touch/1
Keyboard/keys	Optional external
Housing	Magnesium alloy with bumpers
Operating temp.	-4 to 140 F
Sealing	IP54
Shock	20g, 11ms, sawtooth wave
Dimensions and	volume 12.0 x 9.0 x 1.5
Weight	5.0 lbs.
Power	Li-lon ("up to 6 hrs.")
Interface	IrDA, 2 USB
Interface	XPander, 802.11b*
Options XF	Pander and Quick Release docks
Options	FDD, CD-ROM, GPS, RF, lock