

Smartphone product comparison matrix

Manufacturer	Palm	Palm	RIM	Samsung	Nokia	Apple
Model	Treo 650 (discontinued)	Treo 750	Blackberry 8800	Blackjack SGH-i607	N95	iPhone
Price unlocked	\$699*	\$649	\$499	\$349	< \$749	N/A
Price with 2yr plan	\$449 AT&T **	\$399 AT&T	\$349.99 AT&T	\$199.99 AT&T	N/A	\$499, \$599 AT&T
Processor	Intel PXA270 312MHz	Samsung 300MHz	Intel PXA901 312 MHz	TI OMAP1710, ARM926 220MHz	TI OMAP2420, ARM1136 330MHz	Samsung ARM1176 620MHz? #
Operating system	Palm OS 5.4.7	Windows Mobile® 5.0	Blackberry OS 4.2	Windows Mobile® 5.1	Symbian OS 9.2	diet OS X (Leopard?)
User Storage	23 MB expandable to 2GB	60MB expandable to 2GB	64MB. Any size MicroSD ****	54MB expandable to 2GB	160MB expandable to 2GB	4GB, 8GB
Screen size	320 x 320 pixels	240 x 240 pixels	320x240 pixels	320x240 pixels	320x240 pixels	480 x 320 pixels
Touch Screen	Yes	Yes	No	No	No	Yes. Multi-touch
Camera	0.3 Megapixels	1.3 Megapixels	N/A ***	1.3 Megapixels	5 Megapixels Carl Zeiss optics	2.0 Megapixels
Input method	Full keyboard and Phone Keypad	Full keyboard and Phone Keypad	Full keyboard and Phone Keypad	Full keyboard and Phone Keypad	Phone Keypad	Multi touch Virtual keyboard, virtual phone keypad, customizable
Radio	Quad-band GSM/GPRS	Quad-band GSM/GPRS/EDGE 3G UMTS (via firmware upgrade HSDPA from AT&T)	Quad-band GSM/GPRS/EDGE	Quad-band GSM/GPRS/EDGE 3G HSDPA	3G HSDPA. Quad-band GSM/GPRS/EDGE	Quad-band GSM/EDGE
WiFi	No	No	No	No	802.11 b/g	802.11 b/g
Bluetooth	1.1	1.2	2.0 (EDR?)	2.0 EDR	2.0 EDR	2.0 EDR
Infrared IrDA	Yes	Yes	No	No	Yes	No
GPS built in	No	No	Yes	No	Yes. Free downloadable maps	No
Talk time	5 hours	4 hours	5 hours	5.5 hours	GSM 5 hours, WCDMA 3 hours	8 hours
Stand by time	336 hours	250 hours	528 hours	264 hours	220 hours	250 hours
Dimensions LxWxD ~Vol	113 x 59 x 23 mm ~153cc	113 x 58 x 23 mm ~ 151 cc	114 x 66 x 14 mm ~105cc	113 x 59 x 11.8 mm ~ 79 cc	99 x 53 x 21 mm, 90cc	115 x 61 x 11.6 mm ~81cc
Weight	178 grams	154 grams	134 grams	105 grams	120 grams	135 grams
Form factor	Monoblock	Monoblock	Monoblock	Monoblock	Monoblock/Slide	Monoblock
Other notable features	650 used as point of reference and not part of the comparison	Corrections to specs on Radio and Standby time made since 19 Jan 2007	GPS is dependent on your carrier's network connection	Two websites list the Blackjack to be using USB 1.1 and a non-standard mini-USB connector	Flickr uploads, 30fps one hour DVD quality video, Video calling, FM Radio, Over-the-air download of Java-based applications and games	Visual Voicemail, Coverflow, Purchased DRM movies/ TV shows, Proximity sensor, Orientation accelerometer, Ambient light sensor

* February 4, 2005 Palm revises Treo 650 price upwards after admitting pricing error

** February 4, 2005 \$549 for customers who already have a contract with AT&T (formerly Cingular)

*** Blackberry 8800 was created for clients in government and other industry that work in sensitive areas, hence no camera

**** June 29, 2007 there are no 8GB MicroSD cards commercially available

Unconfirmed reports of a Samsung S3C6400 ARM1176 chips at 620 - 667 MHz

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