



# FLINT

The **Flint** is the next generation of high-precision, rugged devices. The Flint is available with the latest technology such as an 800 MHz processor, high accuracy GPS, 3G voice, data and Bluetooth. And with an IP 65 rating, the Flint is built to withstand the harshest environments while being lightweight and compact in design. Take to the field with Flint and discover the difference yourself!

Product Comparison	S812H	S852H
OPERATING SYSTEM	Win Mobile 6.5 Classic	Win Mobile 6.5 Classic
DISPLAY SIZE	3.5"	3.5"
PROCESSOR	800MHz	800MHz
MEMORY	256MB SDRAM	256MB SDRAM
BLUETOOTH	✓	✓
GPS	✓	✓
WIFI	✓	✓
DATA	✗	✓
CAMERA	5 MP Auto Focus	5 MP Auto Focus
EXPANSION SLOT	MicroSD	MicroSD

## Electrical Specs.

<i>PROCESSOR</i>	800MHz
<i>NON VOLATILE MEMORY</i>	FLASH 2 GB
<i>VOLATILE MEMORY</i>	SDRAM 256 MB
<i>DISPLAY</i>	3.5" color LCD BLANView Transmissive 480 x 640px (VGA)
<i>CAMERA</i>	5MP Auto Focus, Resolution: 1280 x 960, 2048 x 1536, 2592 x 1944
<i>TOUCH PANEL</i>	Analog Resistance type
<i>KEYPAD</i>	9 Keys, 4 soft Function, Camera, & Power On/Off
<i>VISUAL INDICATOR</i>	Tricolor LED, Software Controlled
<i>AUDIBLE BEEPER</i>	80dBa SPL @ 10cm, 3.5kHz 8-10kHz programmable
<i>PERSONAL AREA NETWORK</i>	Bluetooth class II, v2.1 EDR
<i>LOCAL AREA NETWORK</i>	IEEE 802.11 b/g 54 Mb/s
<i>WIDE AREA NETWORK</i>	Triple band, 850/1900/2100Mhz Quad band 850/900/1800/1900 MHz
<i>MAIN BATTERY</i>	Lithium-ion Polymer, 3.7V, 2,600mAh, USB charging thru PCs supported
<i>INTERFACE</i>	USB OTG

## GPS Performance

<i>RECEIVER TYPE</i>	50 Channels GPS L1 Frequency, C/A Code
<i>SBAS</i>	WAAS, EGNOS, MSAS, GAGAN
<i>TIME TO FIX</i> <i>COLD START</i> <i>WARM START</i> <i>HOT START</i>	29s 29s <1s
<i>ACCURACY</i>	1-3 Meters (Autonomous) 1-2 Meters (SBAS) < 1 Meter (NTRIP/eGPS)

## Physical Specification

<i>WEIGHT (S852H)</i>	8 oz., 307 grams with battery
<i>DIMENSION</i>	140 mm x 82.5 mm x 33 mm 5.5 in. x 3.2 in. x 1.3 in.

## Software

<i>OPERATING SOFTWARE</i>	Windows 6.5 Classic on S812H and S852H, Windows 6.5 Professional on S862H
<i>BLUETOOTH PROFILES SUPPORTED</i>	GAP, SDP, GOEP, DUN, SPP, OPP, A2DP, PAN, HID
<i>APPLICATION</i>	Office Mobile, Windows Live Messenger, Windows Live Search Plug-in, Remote Desktop Mobile

## Environmental Specs.

<i>OPERATING TEMP.</i>	-20° to +60°C (-4° to 140°F)
<i>STORAGE TEMP.</i>	-40° to +70°C (-40° to +158°F) (Short term storage)
<i>HUMIDITY</i>	0% to 90% @ 50°C for 8 hours non-condensing
<i>DUST/FLUID PROTECTION</i>	Per IEC 60529 Ed. 2.1:2001-02 IP65, 8 hours dust, 10 mins. water
<i>VIBRATION</i>	Per IEC 60068-2-64 5 to 500Hz, 2.14G, random wave
<i>MECHANICAL SHOCK</i>	Per IEC68-2-27 40G, 11ms, half sine wave
<i>DROP RESISTANCE</i>	Per IEC 68-2-32 Procedure I 4" (1.2m) onto steel surface.
<i>TUMBLE RESISTANCE</i>	Per IEC 68-2-32 Procedure 2, 0.5m, randomly 1000 times on hard surface with 19mm thickness wood backed by 3mm thickness steel.

## Accessories

• <i>BATTERY CRADLE</i>	• <i>DESKTOP BATTERY CRADLE</i>
• <i>VEHICLE MOUNT</i>	• <i>EXTENDED WARRANTIES</i>
• <i>CAR CHARGER KIT</i>	• <i>NO-FAULT WARRANTIES</i>
• <i>SPARE BATTERY</i>	• <i>SCREEN PROTECTOR</i>
• <i>CARRYING CASE</i>	• <i>SPARE STYLUS</i>