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	S862H
OPERATING SYSTEM	Win Mobile 6.5 Classic	Win Mobile 6.5 Classic	Win Mobile 6.5 Pro
DISPLAY SIZE	3.5"	3.5"	3.5"
PROCESSOR	800MHz	800MHz	800MHz
MEMORY	256MB SDRAM	256MB SDRAM	256MB SDRAM
BLUETOOTH	✓	✓	✓
GPS	✓	✓	✓
WIFI	✓	✓	✓
DATA	✗	✓	✓
VOICE	✗	✗	✓
CAMERA	5 MP Auto Focus	5 MP Auto Focus	5 MP Auto Focus
EXPANSION SLOT	MicroSD	MicroSD	MicroSD

◆ F4Devices.

Electrical Specs.

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

GPS Performance

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

Physical Specification

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

Software

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

Environmental Specs.

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

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