



# S-SERIES

S810C

S810

S850

The **BAP Precision S-Series** is the next generation of high-precision, rugged handheld designed for today's Mobile workforce. The device has built-in features such as GPS, 3G voice and data and numerous other features, that withstands harsh environments and the rigors of continuous field work. The lightweight and compact design makes the S-Series handheld a must have for any job. The S-Series offers the most up-to-date, fast and efficient mobile data collection and processing with communication options designed for all types of working environments.

Product Comparison	S810C	S810	S850
Operating System	Win Mobile 6.5 Classic	Win Mobile 6.5 Classic	Win Mobile 6.5 Professional
Display Size	3.5"	3.5"	3.5"
Processor	800MHz	800MHz	800MHz
Memory	256MB SDRAM	256MB SDRAM	256MB SDRAM
Bluetooth	✓	✓	✓
WIFI	✗	✓	✓
LAN	✗	✗	data ✓ only*
GPS	✗	✓	✓
Camera	3M pixel Auto Focus	3M pixel Auto Focus	3M pixel Auto Focus
Expansion Slot	MicroSD	MicroSD	MicroSD

\* voice option available via software upgrade.

## Electrical Specs.

<b>Processor</b>	800 MHz
<b>Non Volatile Memory</b>	FLASH 2 GB
<b>Volatile Memory</b>	SDRAM 256 MB
<b>Display</b>	3.5" color LCD TFT Transflective 240 x 320 pixels (1/4 VGA)
<b>Touch Panel</b>	Analog resistance type
<b>Keypad</b>	9 keys, 4 soft Function keys, Camera, and Power On/Off key
<b>Visual Indicator</b>	Tricolor LED, Software controlled
<b>Audible Beeper</b>	80 dBA SPL @ 10cm, 3.5 kHz 8 to 10 kHz programmable.
<b>Personal Area Network</b>	Bluetooth class II, v2.1 EDR
<b>Local Area Network</b>	IEEE 802.11b/g 54 Mb/s
<b>Wide Area Network</b>	Triple band, 850/1900/2100Mhz Quad band 850/900/1800/1900Mhz
<b>Main Battery</b>	Lithium-Ion Polymer, 3.7V, 2,600 mAh USB Charging thru PCs
<b>Interface</b>	USB OTG

## Software

<b>Operating System</b>	Windows 6.5 Classic
<b>Bluetooth Profiles Supported</b>	GAP, SDP, GOEP, DUN, SPP, OPP, A2DP, PAN, HID
<b>Application</b>	Office Mobile, Windows Live Messenger, Windows Live Search Plug-in, Remote Desktop Mobile

## GPS Performance

<b>Receiver Type</b>	50 Channels GPS L1 frequency, C/A Code GALILEO Open Service capable1
<b>SBAS</b>	WAAS, EGNOS, MSAS, GAGAN
<b>TIME TO FIX</b>	
<b>Cold Start (Autonomous)</b>	29 s
<b>Warm Start (Autonomous)</b>	29 s
<b>Hot Start (Autonomous)</b>	<1 s
<b>Accuracy</b>	1-5 Meters (Autonomous) 1-3 Meters (DGPS)

## Environmental Specs.

<b>Operating Temp.</b>	-20° to +60°C (-4° to +140°F)
<b>Storage Temperature</b>	-40° to +70°C (-40° to +158°F) (short term storage)
<b>Humidity</b>	0% to 90% @50°C for 8 hours non-condensing
<b>Dust/Fluid Protection</b>	Per IEC 60529 Ed. 2.1:2001-02 IP65, 8 hours dust, 10 minutes water
<b>Vibration</b>	Per IEC 60068-2-64 5 to 500Hz, 2.14G, random wave
<b>Mechanical Shock</b>	Per IEC68-2-27 40G, 11ms, half sine wave
<b>Drop Resistance</b>	Per IEC 68-2-32 Procedure I 4' (1.2 m) onto steel surface.
<b>Tumble Resistance</b>	Per IEC 68-2-32 Procedure 2 0.5m, randomly 1000 times on hard surface with 19mm thickness wood backed by 3mm thickness steel.

## Physical Specification

<b>Weight</b>	8 oz.
<b>Dimension</b>	140 mm(L) x 82.5mm(W) x 33mm(D)

## Accessories

<b>Upgrade to Voice Capability:</b> (available on S850 model only)
<b>Battery Cradle</b>
<b>Car Mount</b>
<b>Car Charger Kit</b>
<b>Spare Battery</b>
<b>Hands Free Kit with AC Adapter</b>