



S-SERIES

S810C | S810 | S850 | S850V

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 withstand 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	S850V
Operating System	Win Mo 6.5 Classic	Win Mo 6.5 Classic	Win Mo 6.5 Classic	Win Mo 6.5 Prof.
Display Size	3.5"	3.5"	3.5"	3.5"
Processor	800MHz	800MHz	800MHz	800MHz
Memory	256MB SDRAM	256MB SDRAM	256MB SDRAM	256MB SDRAM
Bluetooth	✓	✓	✓	✓
WiFi	✗	✓*	✓	✓
LAN	✗	✗	✓	✓
GPS	✗	✓*	✓	✓
Voice	✗	✗	✗	✓
Camera	3M pixel Auto Focus	3M pixel Auto Focus	3M pixel Auto Focus	3M pixel Auto Focus
Expansion Slot	MicroSD	MicroSD	MicroSD	MicroSD

* available via software upgrade.

Electrical Specs.

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

Software

Operating System	Windows 6.5 Classic
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

GPS Performance

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

Environmental Specs.

Operating Temp.	-20° to +60°C (-4° to +140°F)
Storage Temperature	-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 minutes 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' (1.2 m) 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.

Physical Specification

Weight	8 oz.
Dimension	140 mm(L) x 82.5mm(W) x 33mm(D)

Accessories

Battery Cradle
Car Mount
Car Charger Kit
Spare Battery
Hands Free Kit with AC Adapter

BAP
PRECISION