

SMP102

Capacitive Active Pen



Advanced Silicon integrates its unique technology and expertise into a natural paper like digital writing tool. The SmartPen SMP102 is a Capacitive Active Pen allowing the user to write with the highest precision when used with the CoolPen™ system control boards without any calibration or user operation.

With its 1mm diameter tip and its innovative capacitive precision force sensor, the SMP102 delivers an incredible paper like writing feel. This high performance pen helps designers and artists to create beyond their imagination with a precision reaching less than 0.5mm accuracy and linearity for tilt angles ranging between 0 and 30°.

The SMP102 includes a multifunction barrel button. For instance, it can be used as power ON, eraser and battery level checker in combination with the status LED.

A hovering function is supported by the SMP102 Pen which allows the user to know the cursor position before touching down the surface and beginning to write. The hovering feedback increases the user confidence in the pen position.

KEY BENEFITS

- ◆ Natural writing for best interaction and productivity
- ◆ Same size as basic ink paper pen
- ◆ Hovering sensing function for an increased user confidence on tip position
- ◆ Built-in multifunction barrel button for easy operation
- ◆ Long battery lifetime with standard AAAA battery
- ◆ Innovative capacitive tip force sensing
- ◆ Works simultaneously with finger touch on the same touch display

- ◆ Supports all PCT technologies and stacks
- ◆ High noise rejection capability
- ◆ High EMC immunity

APPLICATIONS

- ◆ IT
- ◆ Education
- ◆ Medical
- ◆ Gaming
- ◆ Industrial



FEATURE

Tip diameter:	1mm
Tip force:	256 levels (0-400g)
Barrel Button:	Power ON and Eraser
Status LED:	
• Pen ON:	LED Blink each 1sec
• Pen OFF:	No LED blinking
• Pen STBY:	LED blinks each 4 s
• Battery low:	Fast blinking during 2s

PEN Specification

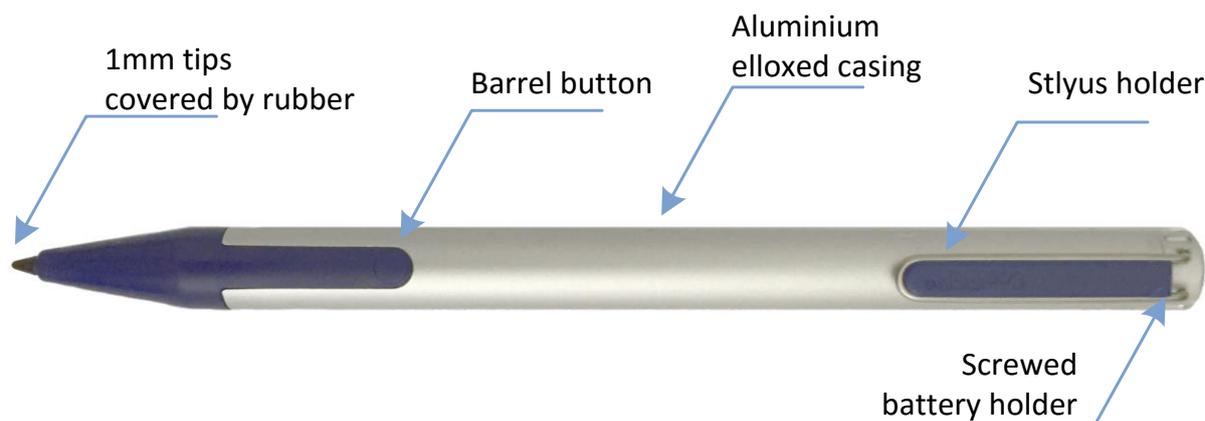
Dimension:	φ10 x 140mm
Weight:	20g with AAAA battery
Battery type:	AAAA
Battery life:	40-60 day of regular use
Operating Temp:	0°C to +85°C
Humidity:	20% to 90%
RoHS compliant	
UL94 certification	

ACTIVE PEN

Hovering	10mm
Accuracy:	<0.5mm
Linearity:	<0.5mm
Tilt:	0° to 30°

PLATFORM COMPATIBILITY

CPS133
CPS333



ORDERING CODES

Part	Ordering Code
SmartPen	SMP102

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