pretech
ENRICH YOUR LIFE

pretech
ENRICH YOUR LIFE

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Website   Catalog

SMART WRITING & DRAWING PROVIDER

Pretech owns a decade of experience in handwriting research and development and is committed to delivering exceptional products and solutions to our valued customers.

· A wide range of platform compatibility, including Android, Windows, iOS, Chrome OS, etc.
· Deep customization for professional clients.
· Outstanding services and upscale products.

OUR ADVANTAGE

PENCIL

Charging box.
Magnetically charging.
Multifunction shortcut keys.
Replacable and durable refills.
Fast–charge and power–saving mode.
No protocal required, no patent infringement risk.
1–100% battery level showed on ipad via Bluetooth connection.
Strategic support and appearance customized development support for large quantity.

MPP

Tail eraser.
USB type C fast charging.
Replacable and durable refills.
1024 & 4096 pressure sensitivity level.
Microsoft authorized manufacturer, no licensing risk, no patent risk.

USI

USI 1.0 & USI 2.0.
4096 pressure sensitivity level.
Replacable and durable refills.
Authorized manufacturer by Google.

PENCIL For all Apple iPads after 2018

MPP For all devices with MPP protocol

USI For all devices with USI protocol

PENCIL

For all Apple iPads after 2018

Pencil for Apple iPad

Excellent Writing Experience and High Accuracy

A14   A13   A11   A8

A14

166mm

8.9mm

Pen cap with indicator

Tip

LED indicator:

Short Press to start: White LED for 2s then Switch to Battery level LED
Press and hold for 2s to power off: Red LED for 2s
Bluetooth Paring: Red and White LED flash
Successful Paired: White LED for 2s then Switch to Battery level LED

Battery 60% - 100%: White LED
Battery 20% - 60%: Blue LED
Battery 0% - 20%: Red LED

Compatible with iPad Pro 12.9-inch (3rd generation or later),
iPad Air (4th generation or later), iPad Pro 11-inch,
iPad Mini(6th generation)

Pencil for iPad

Stylus Cap with Battery Status Indicator Light Design

Features

1. Palm rejection: resting the hand on the iPad does not affect the writing function.
2. Tilt function:Tilt the pen tip to draw shadow.
3. Short press the button on the pen cap to turn it on, click the button to return to the main interface, and double-click to return to the multitasking menu bar.
4. Magnetic charging, can be directly charged on iPad Pro, iPad Air4/5, iPad mini6;
5. BT battery level 0%-100% on iPad.
6. Stylus cap with battery status indicator light:
   · Green light when power on
   · White light when bluetooth pairing is successful (LED displays different colors according to power changes)
   · Red and white double flash when charging failed.
   · Red breathing light when charging, white light when fully charged;
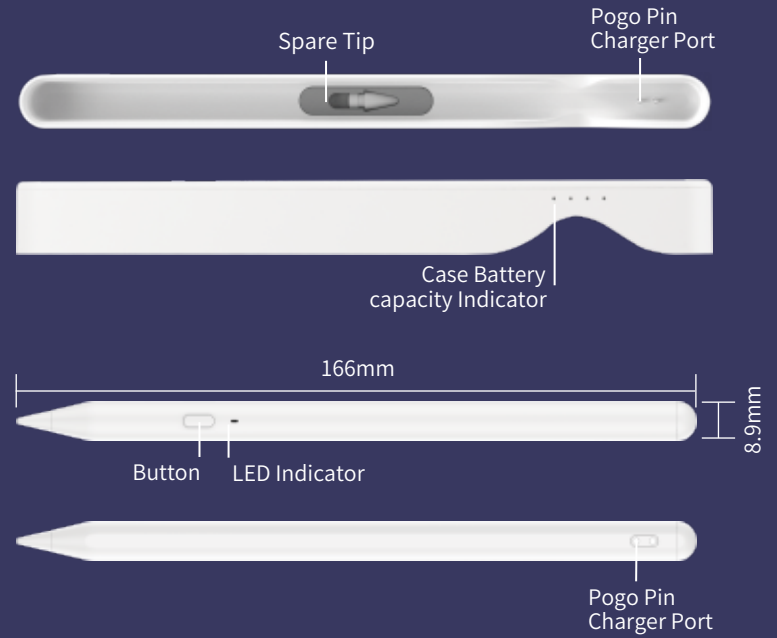
Specification

Palm Rejection	Yes
Tilt Function	Yes
Magnet Attach	Yes
Charing Port	NA, magnetically attach to iPad
Bluetooth Connection	NA
Battery LED Indicator	Yes
Battery level Display on the iPad	Yes, battery level:1-100% display on iPad with Bluetooth
Replaceable Tip	Yes, rotating type
Power Saving Mode	5 minutes auto off for power saving when not being used
Fast Charging	NA
Charging Time	90min
Working Time	8h
Power on	Short press the button on the pen cap to turn it on
Shortcut Keys Button	Short press the button on the pen cap to turn it on, click the button to return to the main interface, double-click to return to the multitasking menu bar;

A13

PENCIL
For all Apple iPads after 2018

Spare Tip

Pogo Pin
Charger Port

Case Battery
capacity Indicator

166mm

8.9mm

Button   LED Indicator

Pogo Pin
Charger Port

Compatible with all iPads (2018 releases and later),
iOS version should above iOS 12.2.

Pencil for iPad
Charging Via Box Magnetic Adsorption Design

Features

1. Palm rejection: resting the hand on the iPad does not affect the writing function.
2. Support Tilt function:Tilt the pen tip to draw shadow.
3. It can be directly adsorbed on the side of iPad Pro 12.9 inches (third generation and later), iPad Pro 11 inches, iPad air4&air5 and iPad mini6 (Note: wireless charging is not supported).
4. No pairing is required.
5. Fast Charging,Charge the pencil for ~35 minutes can work for 8 hours.
6. Support show 0-100% battery state on the iPad like Apple pencil.
7. Charging for 1 minute can last for 30 minutes,Charging for 4 minutes can last for 2 hours. Let it stand for 5 minute and turn off.
8. Charging box is magnetic absorption, convenient to carry, can make the pen work continuously for more than 25 hours (Pencil & Box need full-charge).
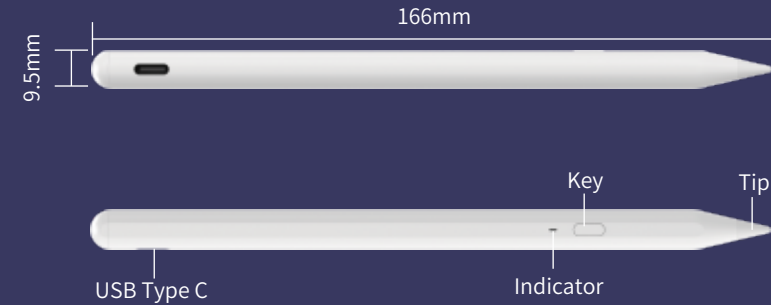
Specification

Palm Rejection	Yes
Tilt Function	Yes
Magnet Attach	Yes
Charing Port	Stylus: pogo pin wireless charging Charging box : USB type C
Bluetooth Connection	NA
Battery LED Indicator	NA
Battery level Display on the iPad	Yes, battery level:1-100% display on iPad with Bluetooth
Replaceable Tip	Yes, rotating type
Power Saving Mode	5 minutes auto off for power saving when not being used
Fast Charging	Yes, charge 1minutes for 30min, charge 4minutes for 2hrs
Charging Time	Pencil: 35min Charging box: 2hrs (support 3 times charging for pencil)
Working Time	8h
Power on	Power key button
Shortcut Keys Button	Single click: Undo the previous step Double click:Switch to the eraser Triple click:Take a photo in the camera mode

A11

166mm

9.5mm

Key

Tip

USB Type C

Indicator

Our First
Trip Home

Title Over Footage
Add a title that includes the destination.

Compatible with all iPads (2018 releases and later),
iOS version should above iOS 12.2.

Pencil for iPad

Pencil battery displayed 0-100% battery state on the
iPad like Apple pencil

Features

1. Excellent writing experience and high accuracy.
2. Palm rejection: resting the hand on the iPad does not affect the writing function.
3. Tilt function: Tilt the pen tip to draw shadow.
4. Support show 0-100% battery state on the iPad like Apple pencil
5. Shortcut keys, support eraser, undo and take a photo in the camera mode.
6. USB Type C fast charging, charge for 30 minutes can work for 8 hours.
7. 5 minutes auto off for power saving when not being used.
8. The pencil A11 attaches magnetically with a satisfying snap onto the side of your iPad Pro （only support 11-inch iPad Pro and 12.9-inch iPad Pro [3rd generation or later], Do not support wireless charging)
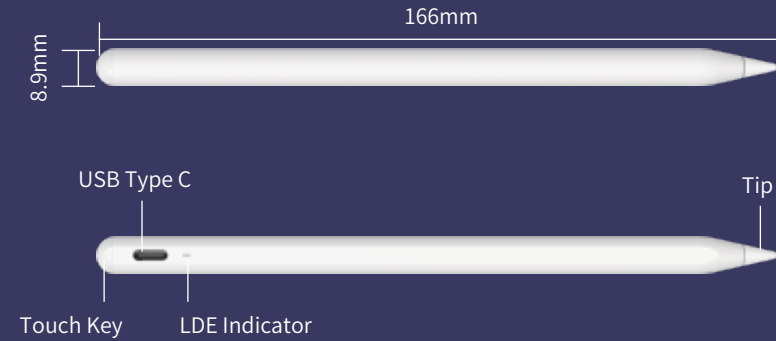
Specification

Palm Rejection	Yes
Tilt Function	Yes
Magnet Attach	Yes
Charing Port	USB Type C
Bluetooth Connection	NA
Battery LED Indicator	NA
Battery level Display on the iPad	Yes, battery level:1-100% display on iPad with Bluetooth
Replaceable Tip	Yes
Power Saving Mode	5 minutes auto off for power saving when not being used
Fast Charging	Yes, charge 4minutes for 2hr
Charging Time	30min
Working Time	8h
Power on	Power key button
Shortcut Keys Button	Single click: Undo the previous step Double click:Switch to the eraser Triple click:Take a photo in the camera mode

A8

166mm

8.9mm

USB Type C

Tip

Touch Key

LDE Indicator

Compatible with all iPads (2018 releases and later),
iOS version should above iOS 12.2.

Pencil for iPad

Palm Rejection and Tilt Function Support

Features

1. Excellent writing experience and high accuracy.
2. Palm rejection: resting the hand on the iPad does not affect the writing function.
3. Tilt function:Tilt the pen tip to draw shadow.
4. No pairing is required.
5. USB Type C fast charging, charge for 30 minutes can work for 10 hours.
   Charging for 1 minute can last for 50 minutes, charging for 4 minutes can last for 2 hours.
   Let it stand for 5 minute and turn off.
6. It can be directly adsorbed on the side of iPad Pro 12.9 inches (third generation and later), iPad Pro 11 inches, iPad air4 and iPad mini6 (Note: wireless charging is not supported).
7. Battery indicator design.

Specification

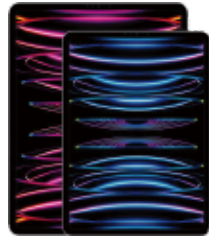|	
Palm Rejection	Yes
Tilt Function	Yes
Magnet Attach	Yes
Charing Port	USB Type C
Bluetooth Connection	NA
Battery LED Indicator	Yes
Battery level Display on the iPad	Yes
Replaceable Tip	Yes
Power Saving Mode	5 minutes auto off for power saving when not being used
Fast Charging	Yes, charge 1minutes for 50min, charge 4minutes for 2hrs
Charging Time	30min
Working Time	10h
Power on	Touch sensitive button on the top
Shortcut Keys Button	NA

PENCIL COMPARISON

	A14	A13	A11	A8
Palm Rejection	Yes	Yes	Yes	Yes
Tilt Function	Yes	Yes	Yes	Yes
Magnet Attach	Yes	Yes	Yes	Yes
Charing Port	NA, magnetically charging attach to iPad	stylus: pogo pin wireless charging charging box : USB Type C port	USB Type C	USB Type C
Bluetooth Connection	NA	NA	NA	NA
Battery LED Indicator	Yes	NA	NA	Yes
Battery level Display on the iPad	Yes, battery level:1-100% display on iPad with Bluetooth	Yes, battery level:1-100% display on iPad with Bluetooth	Yes, battery level:1-100% display on iPad with Bluetooth	NA
Replaceable Tip	Yes, rotating type	Yes, rotating type	Yes, rotating type	Yes, rotating type
Power Saving Mode	5 minutes auto off for power saving when not being used	5 minutes auto off for power saving when not being used	5 minutes auto off for power saving when not being used	5 minutes auto off for power saving when not being used
Fast Charge	NA	Yes, charge 1minutes for 30min, charge 4minutes for 2hrs	Yes, charge 4minutes for 2hr	Yes, charge 1minutes for 50min, charge 4minutes for 2hrs
Charging Time	90min	Pencil: 35min charging box : 2hrs (support 3 times charging for pencil)	30min	30min
Working Time	8h	8h	8h	10h
Power on	Press the button on the pen cap to turn it on	Press the power key button	Press the power key button	Touch sensitive button on the top
Shortcut Keys Button	Short press the button on the pen cap to turn it on, click the button to return to the main interface, doubleclick to return to the multitasking menu bar;	Single Click: Undo the previous step Double Click:Switch to the eraser Triple Click:Take a photo in the camera mode	Single Click: Undo the previous step Double Click:Switch to the eraser Triple Click:Take a photo in the camera mode	NA
Housing	PC	PC	PC	Aluminium
Antibacterial Painting	NA	NA	NA	Yes
Size	8.9 x 166mm	stylus : 9.5 x 166mm charging box：13.2 x 171.4 x 17.8mm	9.5 x 166mm	8.9 x 166mm
Weight	16±3g	16±3g	15±3g	15±3g

PENCIL COMPATIBLE MODELS

	A14	A13 A11 A8
iPad Pro (12.9 inch 3rd Gen, 4th Gen& 5th Gen; 11–inch 1st, 2nd Gen & 3rd Gen)	A1876/A1895/A1934/A1979 A1980/A1983/A2013/A2014 A2229/A2069/A2232/A2233 A2228/A2068/A2230/A2231 A2378/A2461/A2379/A2462 A2377/A2459/A2301/A2460	A1876/A1895/A1934/A1979 A1980/A1983/A2013/A2014 A2229/A2069/A2232/A2233 A2228/A2068/A2230/A2231 A2378/A2461/A2379/A2462 A2377/A2459/A2301/A2460
iPad Air (3rd Gen/4th Gen/5th Gen)	A2316/A2324/A2325/A2072 A2588/A2589/A2591	A2152/A2123/A2153/A2154 A2316/A2324/A2325/A2072 A2588/A2589/A2591
iPad (6rd Gen/7rd Gen 8th Gen/9th Gen 10th Gen)	NA	A1893/A1954/A2197/A2198 A2200/A2207/A2428/A2429 A2430/A2602/A2603/A2604 A2605/A2696/A2757/A2777
iPad Mini (5rd Gen/6rd Gen)	A2567/A2568/A2569	A2133/A2124/A2126/A2125 A2567/A2568/A2569

USI

USI | Universal Stylus Initiative

Active Capacitive Stylus

Design for HP / Asus / Acer / Lenovo/ Samsung

Chromebook

USI for Chromebook

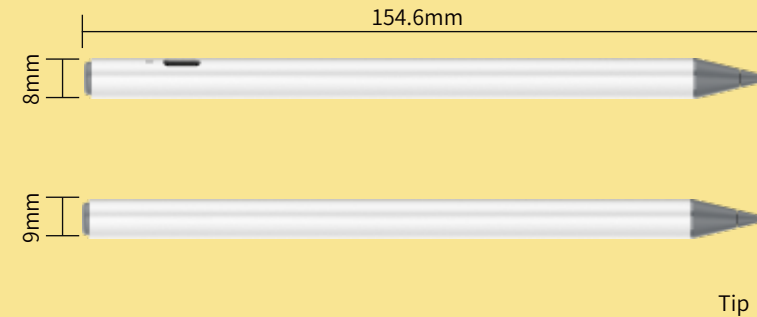All the Devices with USI Protocol

| USI732 | USI280 | USI702 | USI150 | USI135 |

www.pretech-e.com

USI732

154.6mm

8mm

9mm

Tip

USI 2.0

4096 Levels of Pressure

Tilt

No Bluetooth Required

USI Active Stylus 2.0

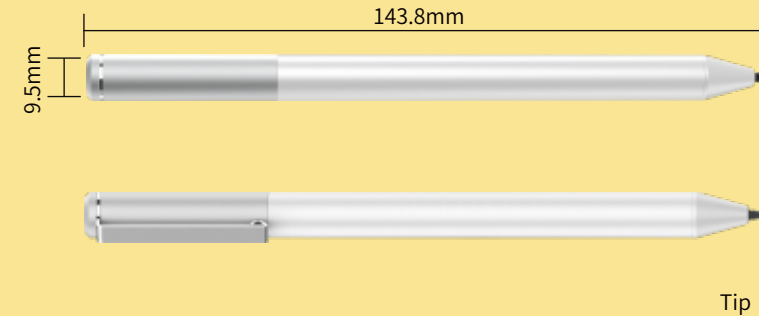### Designed for All the Devices with USI Protocol

Features

1. 4096 Pressure Sensitivity and Tilt Support
   With a 4096 pressure level, it is great for sketching and shading.

2. Palm Rejection
   Rest your palm comfortably on the screen and lean in as you write or draw with this USI pen, won't cause any annoying marks.

3. Wide compatibility
   It can work with all the devices which conform to USI 2.0 / USI 1.0 protocol.

Specification

Protocol	USI 2.0
Sensitivity	4096 Pressure Levels
Tilt	Yes
Palm Rejection	Yes
Tail Eraser	NA
Magnetic Attach	NA
Power Saving Mode	Yes, The stylus stand by more than 1 minute and enters sleep mode
Charging Port	YES, USB Type C
Battery	Full charging <1h Working >90h
Low battery LED Indicator	Charging: Amber LED on Fully charged: White LED on Low battery state: Amber LED flashing
Keys Button	No button
Compatibility	All the devices with USI2.0 / USI1.0 protocol

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USI280

143.8mm

9.5mm

Tip

USI 2.0

4096 Levels of Pressure

Tilt

No Bluetooth Required

USI Active Stylus *2.0*
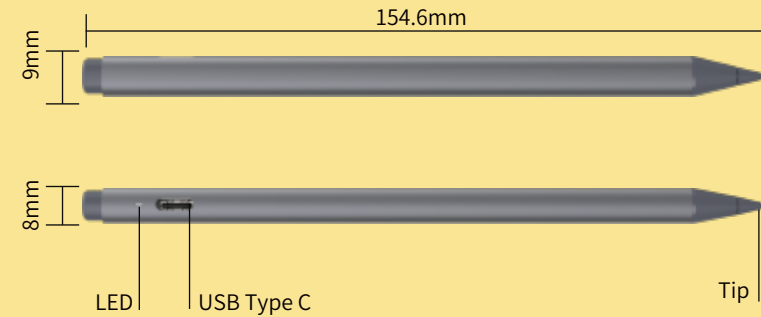
Designed for All the Devices with USI Protocol

Features

1. 4096 Pressure Sensitivity and Tilt Support
   With a 4096 pressure level, it is great for sketching and shading.

2. Palm Rejection
   Rest your palm comfortably on the screen and lean in as you write or draw with this USI pen, won't cause any annoying marks.

3. Wide compatibility
   It can work with all the devices which conform to USI 2.0 / USI 1.0 protocol.

Specification

Protocol	USI 2.0
Sensitivity	4096 Pressure Levels
Tilt	Yes
Palm Rejection	Yes
Tail Eraser	NA
Magnetic Attach	NA
Power Saving Mode	Yes, The stylus stand by more than 1 minute and enters sleep mode
Charging Port	NA
Battery	AAAA battery, can use more than 360 hours
Low battery LED Indicator	NA
Keys Button	No button
Compatibility	All the devices with USI2.0 / USI1.0 protocol

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USI702

154.6mm

9mm

8mm

LED   USB Type C   Tip

USI 1.0   **USB Type C**   **4096 Levels of Pressure**   **No Bluetooth Required**

USI Active Stylus

Designed for All the Devices with USI Protocol

Features

1. USB Type C Charging
 · Charging time ≤1h
 · Working time ≈ 90h

2. Tail Eraser Support

3. 4096 Pressure Sensitivity and Tilt Support
 · With 4096 pressure level, it is great for sketching and shading.

4. Palm Rejection
 · Rest your palm comfortably on the screen and lean in as you write or draw with this USI pen, won't cause any annoying marks.

Specification

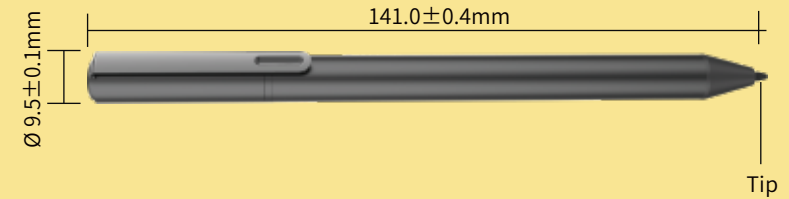|	
Protocol	USI 1.0
Sensitivity	4096 Pressure Levels
Tilt	NA
Palm Rejection	Yes
Tail Eraser	Yes
Magnetic Attach	NA
Power Saving Mode	Yes, The stylus stand by more than 1 minute and enters sleep mode
Charging Port	YES, USB Type C
Battery	60 minutes full charging for writing for about 90h continuously
Low battery LED Indicator	Charging: Orange LED on Fully charged: White LED on Low battery state: Orange LED flashing
Keys Button	No button
Compatibility	All the devices with USI1.0 protocol

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USI150

141.0±0.4mm

Ø 9.5±0.1mm

Tip

USI 1.0

4096 Levels of Pressure

No Bluetooth Required

USI Active Stylus

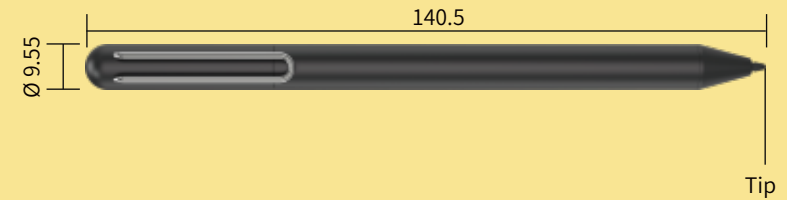### Designed for All the Devices with USI Protocol

Features

1. 4096 Pressure Sensitivity and Tilt Support
   · With 4096 pressure level, it is great for sketching and shading.

2. Palm Rejection
   · Rest your palm comfortably on the screen and lean in as you write or draw with this USI pen, won't cause any annoying marks.

Specification

Protocol	USI 1.0
Sensitivity	4096 Pressure Levels
Tilt	NA
Palm Rejection	Yes
Tail Eraser	NA
Magnetic Attach	NA
Power Saving Mode	Yes, The stylus stand by more than 1 minute and enters sleep mode
Charging Port	NA
Battery	AAAA battery, can use 360 hours
Keys Button	No button
Compatibility	All the devices with USI1.0 protocol

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USI135

140.5

Ø 9.55

Tip

USI 1.0

4096 Levels of Pressure

No Bluetooth Required

USI Active Stylus

Designed for All the Devices with USI Protocol

Features

1. 4096 Pressure Sensitivity and Tilt Support
   · With 4096 pressure level, it is great for sketching and shading.

2. Palm Rejection
   · Rest your palm comfortably on the screen and lean in as you write or draw with this USI pen, won't cause any annoying marks.

Specification

Protocol	USI 1.0
Sensitivity	4096 Pressure Levels
Tilt	NA
Palm Rejection	Yes
Tail Eraser	NA
Magnetic Attach	NA
Power Saving Mode	Yes, The stylus stand by more than 1 minute and enters sleep mode
Charging Port	NA
Battery	AAAA battery, can use 360 hours
Keys Button	No button
Compatibility	All the devices with USI1.0 protocol

USI COMPARISON

	USI732	USI280	USI702	USI150	USI135
Protocol	**USI 2.0**	**USI 2.0**	**USI 1.0**	**USI 1.0**	**USI 1.0**
Pressure Levels	4096	4096	4096	4096	4096
Tilt	Yes	Yes	NA	NA	NA
Palm Rejection	Yes	Yes	Yes	Yes	Yes
Tail Eraser	NA	NA	Yes	NA	NA
Magnetic Attach	NA	NA	NA	NA	NA
Power Saving Mode	Yes, the stylus stand by more than 1 minute and enters sleep mode	Yes, the stylus stand by more than 1 minute and enters sleep mode	Yes, the stylus stand by more than 1 minute and enters sleep mode	Yes, the stylus stand by more than 1 minute and enters sleep mode	Yes, the stylus stand by more than 1 minute and enters sleep mode
Charging Port	YES，USB Type C	No	YES，USB Type C	NA	NA
Battery	Full charging <1h Working >90h	AAAA battery, can use more than 360 hours	60 minutes full charging, you can write continuously for about 90h	AAAA battery, can use 360 hours	AAAA battery, can use 360 hours
Low Battery LED Indicator	Charging: Amber LED on Fully charged: White LED on Low battery state: Amber LED flashing	NA	Charging:Orange LED on Fully charged: White LED on Low battery state: Orange LED flashing	NA	NA
Button	No button	No button	No button	No button	No button
Tip	Replaceable POM Tip	Replaceable POM Tip	Replaceable POM Tip	Replaceable POM Tip	Replaceable POM Tip
Tube Texture	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Size	154.6mm x 9mm x 8mm	143.8mmx9.5mm	154.6mm x 9mm x 8mm	141mm x 9.5mm	143.43mm x 9.5mm
Weight	14g	20 ±3.0g	12.2 ±3.0g	20 ±3.0g	19.2 ±3.0g
Color	Silver	Silver	Space Gray	Black	Black
Compatibility	All the devices with USI 2.0 / USI 1.0 protocol	All the devices with USI 2.0 / USI 1.0 protocol	All the devices with USI 1.0 protocol	All the devices with USI 1.0 protocol	All the devices with USI 1.0 protocol

USI COMPATIBLE MODELS

Acer Chromebook Spin 314 (CP314-1HN)

Acer Chromebook Spin 511 (R753TN)

Acer Chromebook Spin 512 (R853TNA)

Acer Chromebook Spin 513 (CP513-1H, CP513-1HL, CP513-2H)

Acer Chromebook Enterprise Spin 513 (R841T, R841LT)

Acer Chromebook Spin 514 (CP514-1HH, CP514-3HH, CP514-1W, CP514-1WH, CP514-3WH)

Acer Chromebook Enterprise Spin 514 (CP514-1H, CP514-2H, CP514-3H)

Acer Chromebook Spin 713 (CP713-2W, CP713-3W)

Acer Chromebook Enterprise Spin 713 (CP713-3W)

Acer Chromebook Spin 714 (CP714-1WN)

Acer Chromebook Enterprise Spin 714 (CP714-1WN)

Acer Chromebook Tab 510 (D652N, D652NL)

Acer Chromebook Enterprise Tab 510 (D652N, D652NL)

ASUS Chromebook Enterprise CX9 (CX9400)

ASUS Chromebook Detachable CM3

ASUS Chromebook Enterprise Detachable CM3

ASUS Chromebook Detachable CZ1

ASUS Chromebook Enterprise Detachable CZ1

ASUS Chromebook Flip C436

ASUS Chromebook Flip CM3 (CM3200FM1A, CM3200FVA)

ASUS Chromebook Flip CR1 (CR1100)

ASUS Chromebook Flip CX3 (CX3400)

ASUS Chromebook Enterprise Flip CX3 (CB3400, CX3400)

ASUS Chromebook Flip CX5 (CX5400, CX5500, CX5601)

ASUS Chromebook Enterprise Flip CX5 (CB5400, CB5500, CB5601FBA, CX5400, CX5500, CX5601FBA)

ASUS Chromebook Flip C536

ASUS Chromebook Flip CM5 (CM5500)

ASUS Chromebook Enterprise Flip CM5 (CL5500, CM5500)

Dell Chromebook 3110 2-in-1

Dynabook Chromebook C1

CTL Chromebook NL72T

Lenovo 10e Chromebook Tablet

Lenovo 300e Chromebook Gen 3

Lenovo 500e Chromebook Gen 3

Lenovo Chromebook Duet / Lenovo IdeaPad Duet Chromebook

Lenovo Chromebook Duet 3† / IdeaPad Duet 3 Chromebook (11", 7)†

Lenovo Chromebook Duet 5 / IdeaPad Duet 5 Chromebook (13", 6)

Lenovo Flex 5i-13 Chromebook / IdeaPad Flex 5i Chromebook (13", 5)

Lenovo Flex 5i-13 Chromebook / IdeaPad Flex 5i Chromebook (13", 6)

Lenovo ThinkPad C13 Yoga Chromebook

Lenovo ThinkPad C13 Yoga Chromebook Enterprise

HP Chromebook x2 11

HP Chromebook X360 11 G4 EE

HP Chromebook x360 12b

HP Chromebook x360 14b (14b-ca0xxx and FHD 14b-cb0xxx models)

HP Chromebook x360 14c

HP Elite c1030 Chromebook

HP Elite c1030 Chromebook Enterprise

HP Elite Dragonfly 13.5 inch Chromebook

HP Elite Dragonfly 13.5 inch Chromebook Enterprise

NEC Chromebook Y1 Gen3A

NEC Chromebook Y3
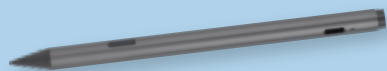

Poin2 Chromebook 11E

Samsung Galaxy Chromebook 2

MPP

Active Capacitive Stylus

Compatible with Surface (full series after Surface 3), HP, Dell, Asus, Acer, and other supporting Microsoft Pen Protocol laptops and tablets.

MPP

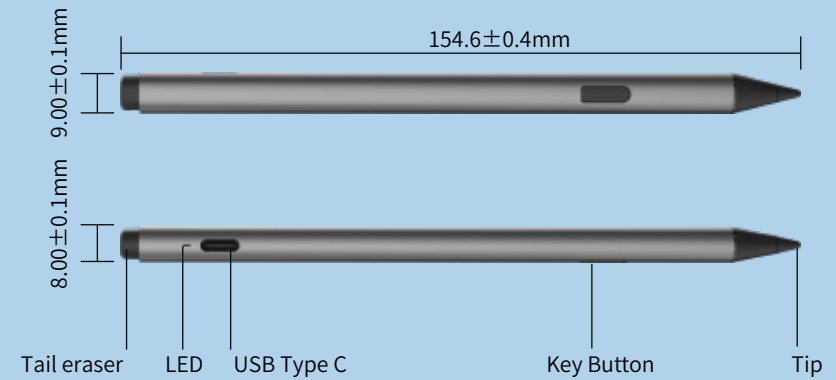Designed for all Windows models which conform to MPP protocal

MPP702   MPP712   MPP493

MPP702

154.6±0.4mm

9.00±0.1mm

8.00±0.1mm

Tail eraser   LED   USB Type C   Key Button   Tip

MPP 2.0	4096 Pressure Levels	Tilt	USB Type C	Magnetic Attach

Surface
Active Stylus Pen

Designed for all Windows models which conform to MPP protocol

Features

1. 4096 levels of pressure sensitivity
2. Tilt for shadow
3. Tail eraser
4. Palm rejection
5. Support magnetic adsorption on the side of Surface
6. Fast charging
   USB Type C charge port
   5 minutes charging for 12 hours use
   Battery capacity 65mAh

Specification

Protocol	MPP 2.0
Sensitivity	4096 Pressure Levels
Tilt	Yes
Palm rejection	Yes
Tail Eraser	Yes
Magnetic Attach	Yes
Power Saving Mode	Yes, The stylus stand by more than 5 minute and enters sleep mode
Charging Port	USB Type C fast charging; 5 mins charging=12 hours
Battery	Lithium rechargable battery, 65mAh 50 mins full charge=100 hours use.
Low battery LED Indicator	yes, Low battery(<10%):Flickering orange
Button	One button, Right click
Compatibility	All windows model which conform to MPP protocal

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MPP712

145.6±0.4mm

9.00±0.1mm

Cap   Barrel   Button   Tip

MPP 1.51   1024 Pressure Levels   USB Type C   Magnetic Attach
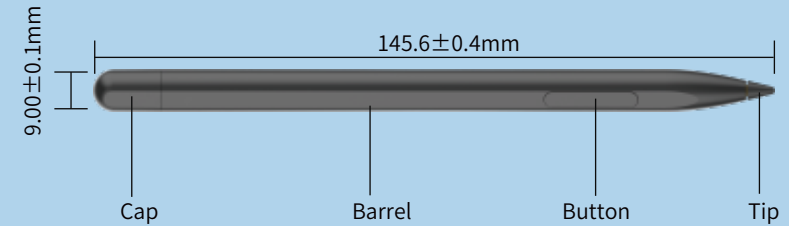
Surface
Active Stylus Pen

Designed for all Windows models which conform to MPP protocol

Features

1. 1024 levels of pressure sensitivity
2. Smart shortcut button
   · The lower button: eraser function
   · The upper button : the right mouse button function
3. Replaceable refill design
4. Palm rejection
5. USB Type C fast charging: 35minutes charging for 300 hours writing
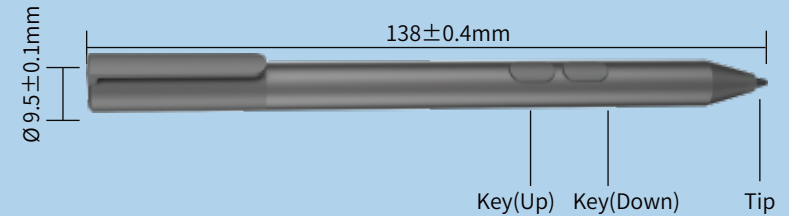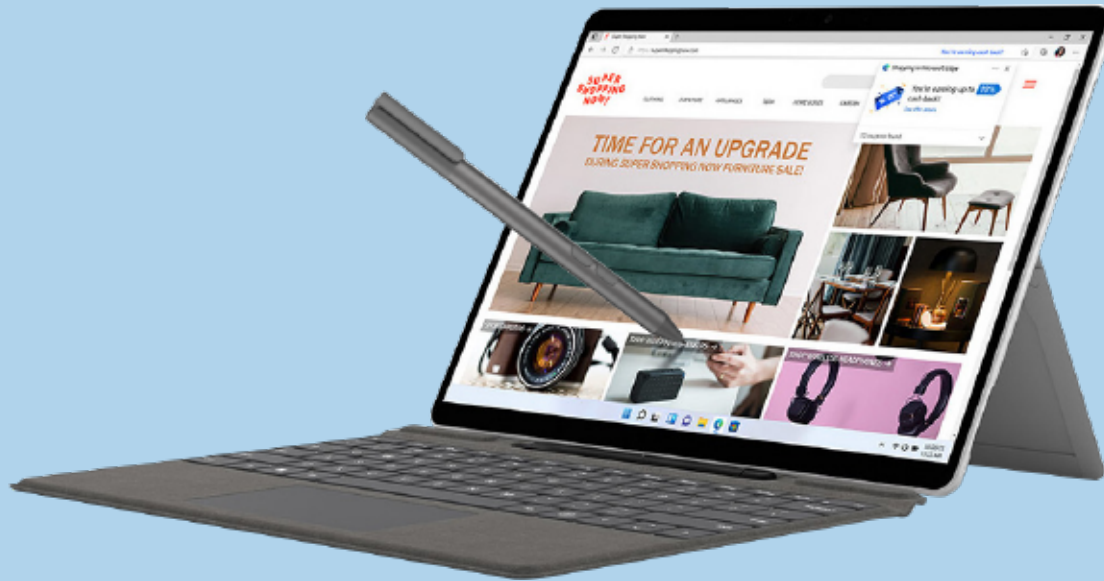6. Magnetic: support magnetic adsorption on the side of Surface

Specification

Protocol	MPP 1.51
Sensitivity	1024 Pressure Levels
Tilt	NA
Palm rejection	Yes
Tail Eraser	NA
Magnetic Attach	Yes
Power Saving Mode	Yes, The stylus stand by more than 5 minute and enters sleep mode
Charging Port	USB Type C fast charging
Battery	Battery capacity=90mAh 35 mins full charge=300 hours use.
Low battery LED Indicator	Yes, Low battery(<10%):Flickering orange
Key Button	Two button, Eraser(Down) and Right click(Upper)
Compatibility	All windows model which conform to MPP protocal

MPP493

Ø 9.5±0.1mm
138±0.4mm

Key(Up) Key(Down) Tip

MPP 1.51

1024
Pressure
Levels

Surface
Active Stylus Pen

Designed for all Windows models which conform to MPP protocol

Features

1. 1024 levels of pressure sensitivity
2. Smart shortcut button
   · The lower button: eraser function
   · The upper button : the right mouse button function
3. Replaceable refill design
4. Palm rejection

Specification

Protocol	MPP 1.51
Sensitivity	1024 Pressure Levels
Tilt	NA
Palm rejection	Yes
Tail Eraser	NA
Magnetic Attach	NA
Power Saving Mode	Yes, The stylus stand by more than 5 minute and enters sleep mode
Charging Port	NA
Battery	AAAA dry battery, can use for 720hours (2h/day)
Low battery LED Indicator	NA
Button	Yes, two buttons, and user can define them
Compatibility	All the devices with MPP protocol

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MPP COMPARISON

	MPP702	MPP712	MPP493
Protocol	MPP 2.0	MPP 1.51	MPP 1.51
Sensitivity	4096	1024	1024
Tilt	Yes	NA	NA
Palm rejection	Yes	Yes	Yes
Tail Eraser	Yes	NA	NA
Magnetic Attach	Yes	Yes	NA
Power Saving Mode	Yes, 5 min no use, will enter in sleep mode to saving power	Yes, 5 min no use, will enter in sleep mode to saving power	Yes, 5 min no use, will enter in sleep mode to saving power
Charging Port	Type C fast charging 5 mins charging=12 hours use	Type C fast charging	NA
Battery	Lithium rechargable battery, 65mAh 50 mins full charge=100 hours use.	Battery capacity=90mAh 35 mins full charge=300 hours use.	AAAA dry battery, can use for 720 hours (2h/day)
Low battery LED Indicator	yes, Low battery(<10%):Flickering orange	Yes, Low battery(<10%):Flickering orange	NA
Button	One button, Right click	Two button, Eraser(Down) and Right click(Upper)	Yes, two buttons, and user can define them
Tip	Replaceable	Replaceable	Replaceable
Texture	Aluminum	Aluminum	Pen Body: Aluminum；Pen Cap: Plastic
size	154.6 x 9mm	145.6 x 9mm	138 x 9.5 mm
Weight	13.8±3.0g	11.4g±3.0g	16.1±2.0g
color	Space Gray	Black	Black
Compatibility	All Windows models which conform to MPP protocal	All Windows models which conform to MPP protocal	All the devices with MPP protocol

MPP COMPATIBLE MODELS

MICROSOFT	Surface 3
	Surface Pro 3／4/5/6/7／X
	Surface go（windows 10 1803 and later OS version）
	Surface laptop 1/2/3
	Surface Studio 1/2
	Surface Book 1/2

ASUS	Vivobook Flip 12 R211NA
	Vivobook Flip 14 R211NA
	ASUS Transformer Mini T102HA/T103HA
	ASUS Transformer 3 Pro T303UA
	ASUS Transformer 3 T305CA
	ASUS Transformer Pro T304UA
	ASUS ZenBook UX370UA & UX461UA & UX550VE/VD
	ASUS ZenBook Flip UX560UA/UQ/UX & UX561UA/UN/UD
	ASUS Vivobook Flip TP510UA/UQ & TP203NA & TP401NA/CA & TP410UA
	ASUS Vivobook Pro X580VD
	ASUS Notebook Q405UA & Q325UA

OTHER	SONY VAIO Z Flip (VJZ13BX0211B)
	Acer Spin 5
	Acer Nitro 5 Spin

DELL	Latitude 3390
	Latitude 3190
	Inspiron 7590
	Inspiron 7586
	Inspiron 7579
	Inspiron 7573
	Inspiron 7570
	Inspiron 7390
	Inspiron 7386
	Inspiron 7378
	Inspiron 7373
	Inspiron 7370
	Inspiron 5582
	Inspiron 5579
	Inspiron 5578
	Inspiron 5482
	Inspiron 5379
	Inspiron 5378

HP	HP ENVY 17-aexxx
	HP ENVY x2 12-e0xx
	HP ENVY x2 12-g0xx
	HP ENVY x360 13z-ag0xxx
	HP ENVY x360 15-ar0xxx
	HP ENVY x360 15-bp0xx
	HP ENVY x360 15-bq0xx
	HP ENVY x360 15-cn0xxx
	HP ENVY x360 15-cp0xxx
	HP ENVY x360 15-dr0xxx
	HP ENVY x360 15-ds0xxx
	HP ENVY x360 15-ds0xxx
	HP Pavilion x360 11-ap0xxx
	HP Pavilion x360 11m-ad0xx、11-ad0xx
	HP Pavilion x360 14-dh0xxx
	HP Pavilion x360 14m-ba0xx、14-ba0xx
	HP Pavilion x360 14m-cd0xx
	HP Pavilion x360 15-br0xx
	HP Pavilion x360 15-cr0xx
	HP Pavilion x360 15-dq0xxx
	HP Spectre Folio 13-ak0xxx
	HP Spectre x2 12-c0xx
	HP Spectre x360 13-ac0xx
	HP Spectre x360 13-ae0xx
	HP Spectre x360 13-ap0xx
	HP Spectre x360 15-blxxx
	HP Spectre x360 15-ch0xx
	HP Spectre x360 15-df0xx