

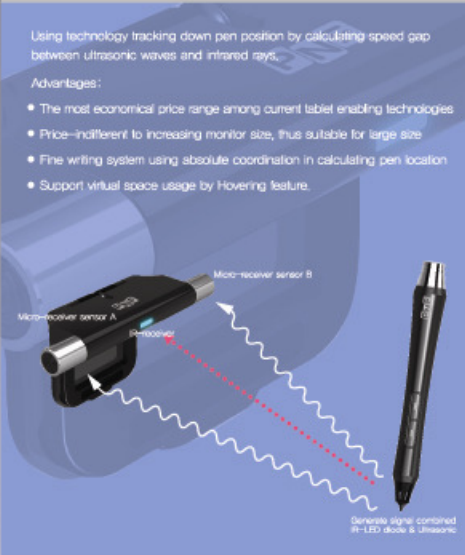
Enjoy **DUO TABLETing** on your PC Now!

Technology Principle

Using technology tracking down pen position by calculating speed gap between ultrasonic waves and infrared rays.

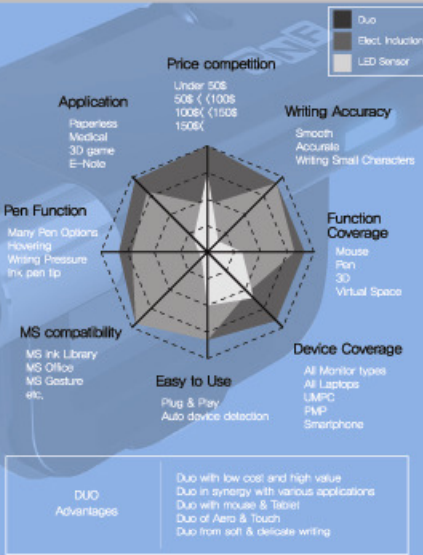
Advantages:

- The most economical price range among current tablet enabling technologies
- Price-indifferent to increasing monitor size, thus suitable for large size
- Fine writing system using absolute coordination in calculating pen location
- Support virtual space usage by Hovering feature.



Micro-receiver sensor A
Micro-receiver sensor B
Generates signal combined in LED mode & Ultrasonic

DUO Advantages



Price competition
Under 50\$, 50\$ (~100\$, 100\$ (~150\$, 150\$)

Application
Paperless, Medical, 3D game, E-Note

Writing Accuracy
Smooth, Accurate, Writing Small Characters

Function Coverage
Mouse, Pen, 3D, Virtual Space

Device Coverage
All Monitor types, All Laptops, UMPC, PMP, Smartphone


Easy to Use
Plug & Play, Auto device detection

MS compatibility
MS Ink Library, MS Office, MS Gesture, etc.

Pen Function
Many Pen Options, Hovering, Writing Pressure, Ink pen tip

DUO Advantages
Duo with low cost and high value
Duo in synergy with various applications
Duo with mouse & Tablet
Duo of Aero & Touch
Duo from soft & delicate writing

DUO Application examples



Note taking, Writing on Journal Note, MS Office Annotation (PPT, WORD, EXCEL, etc), Word Recognition, MSN Ink Chatting, Attaching captured image via e-mail, Sending handwriting characters via Outlook mail, Drawing (watercolor painting)

DUO

Positioning of Digital Pen enabling Technologies

DUO Feature

DUO pen supporting software

DUO

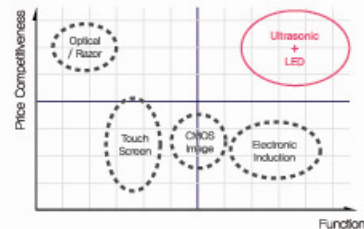
Tablet PC Functionalities on your PC

Wireless Digital Pen mouse

DUO is the leading brand of wireless digital pen mouse that provides perfect tablet and mouse functions on usual laptops and computers at the most economical price range. DUO is enabling solution to make all PCs become TABLET computers.

Technology for combining Ultrasonic waves and infrared rays is the most competitive solution applicable for enabling non-tablet PC to have full tablet functions

DUO pen mouse applies ultrasonic waves and infrared rays in order to actualize tablet functions. DUO's technologies are protected under national and international patents and patents-pending.



- **Fine writing and drawing on screen and virtual space** : maintain constant writing speed by tracking down pen location 80 times per second
- **Aero pen touch** : Able to use mouse and pen functions on screen or separate virtual space
- **Virtual writing pressure support** : enabling Pen-brush typed writing and drawings by patented technology of transforming speed into pressure
- **Microsoft Ink Library Support** : enabling smooth writing and drawings by fully utilizing Microsoft Ink Library
- **Word recognition** : Hand writing characters may be saved either as cursive letterings or ASCII characters.
- **Gesture recognition** : able to move and scroll screen to right, left, up and down according to pen's gesture
- **Note-taking** : save notes directly into computer as users write on notebooks for later editing and using
- **Microsoft Windows Log Verification** : 100% support for Microsoft Windows Vista pen related functions by "Plug-in Play"

- Microsoft Office (Word, PowerPoint, Excel, Outlook, Visio)
- Microsoft MSN Ink Chatting
- Microsoft Sticky Notes
- Microsoft Journal Notes
- Microsoft Ink Desktop
- Microsoft Capture Tool
- Microsoft Paint
- Microsoft OneNote
- Adobe PDF Annotator
- Adobe Photoshop
- Adobe Illustrator
- Nano-On Messenger
- DUO Office Annotator for XP, Vista Home Basic
- DUO Ink Desktop for XP, Vista Home Basic
- Various other user applications and gaming using mouse

> DUO ARGOS for Mobile

- Embedded / Built-in solution for laptops, monitors and mobile phones
- All-in-one solution consists of one chip and sensors
- Product difference and competitiveness by providing perfect tablet functions
- Lowest cost solution
- Equivalent functions as DUO product



> DUO Pen

- Mouse combined with digital pen
- Protect screen with soft pen tip
- Right and left button of mouse function
- Easy transformation into Automatic sleep mode and wake function
- Double features as Ink pen (require exclusive pen tip) & digital pen tip
- Aero touch function
- 3 Battery Models : rechargeable battery, Cell battery and AAA type battery



Class	PMPS-01 (Built on Ultra-thin)
Ink Refill/point pen	Available (Q10)
Battery Type	LiMnO ₂ Cell
Operating Power	4.5V
Battery operating time	20hrs
Size	L*P: 130/6.5mm

DUO

Tablet PC Functionalities on your PC

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> DUO for laptop

- Laptop-only
- Simple and stylish design with easy portability
- Screen support up to maximum 16"
- Easy to attach using magnet
- Hassel-free one step installing
- One step focus calibration using automatic LCD-pixel detection
- Applicable to attach on 3 sides of laptop (Top, Left, Right)
- Support stationary clip for Note-taking function (Type A only)



Class	description	Class	description
Sensor Type/Qty	MEMS /2	Virtual writing process	Support
Infrared Type/Qty	IRDA /1	Air touch	Support
Resolution	800 DPI	Virtual writing speed	A4~A5
Note taking	Support	Operating Power	DC 5V(LiSSB)
Workspace	15.4"	Operating Temperature	10°C~45°C
Connecting Type	USB	Weight	4.5/7.91mm

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