

Wireless Digital Pen mouse "DUO"

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 Principle

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

Advantage

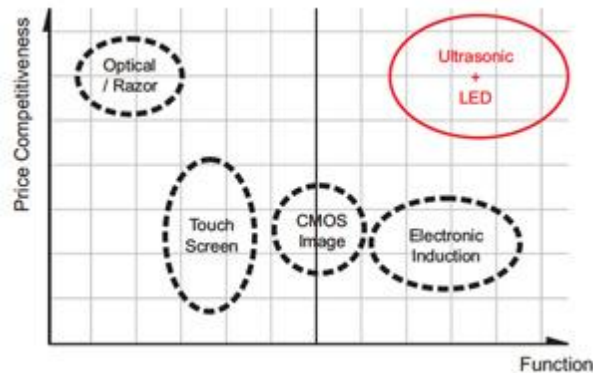
The most economical price range among current tablet enabling technologies

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.

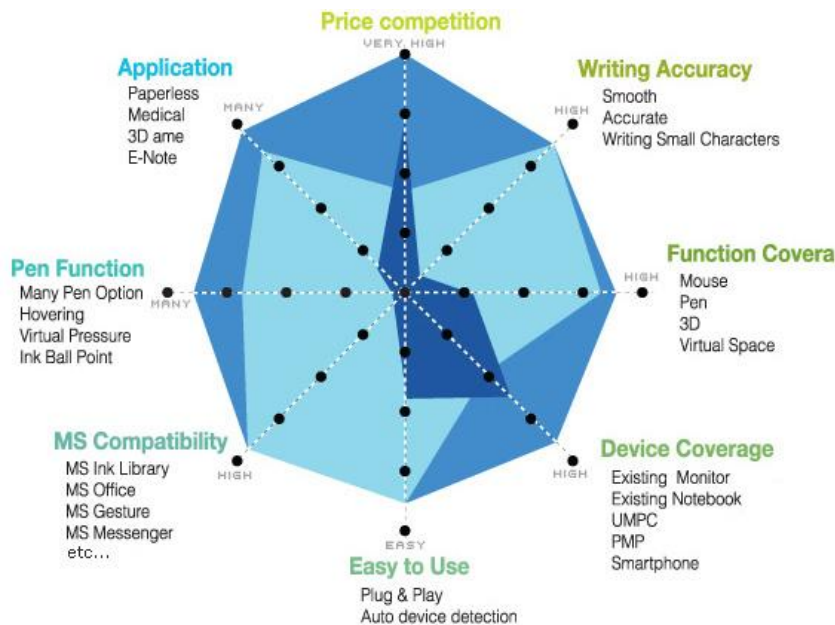
Positioning of Digital Pen enabling Technologies



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 actualise tablet functions. **DUO's** technologies are protected under national and international patents and patents-pending

DUO Advantages



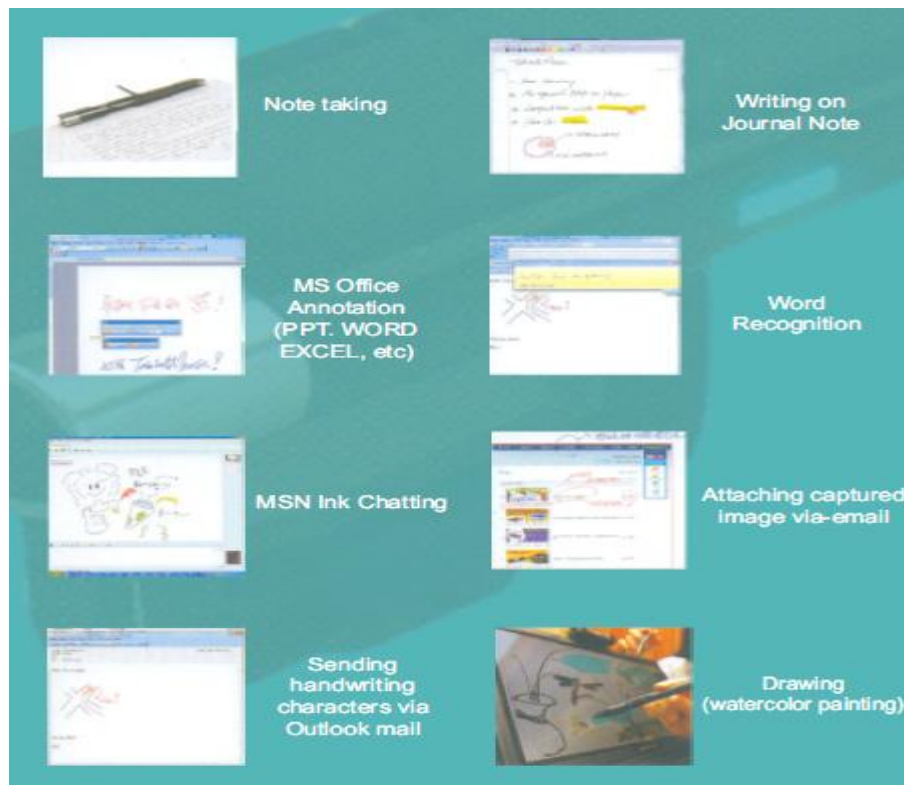
- ❖ Duo with low cost and high value
- ❖ Duo in synergy with various applications
- ❖ Duo with mouse & Tablet
- ❖ Duo of Aero & Touch
- ❖ Duo from soft & delicate writing

DUO Feature

- ❖ 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 drawing 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-n Play"

DUO Application Examples



DUO Pen Supporting Software

- ❖ Microsoft Office
- ❖ (Word, PowerPoint, Excel, Outlook, Visio)
- ❖ Microsoft MSN Ink Chatting
- ❖ Microsoft Sticky Notes
- ❖ Microsoft Journal Notes
- ❖ Adobe PDF Anotator
- ❖ Adobe Photoshop
- ❖ Adobe Illustrator
- ❖ Note-On Messenger

- ❖ Microsoft Ink Desktop
- ❖ Microsoft Capture Tool
- ❖ Microsoft Paint
- ❖ Microsoft OneNote
- ❖ 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

- ❖ MiEmbedded / 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	PMPB-01 (Digital pen using Battery)
Ink Ballpoint Pen	Available (Q4)
Battery Type	Lr41 Cell
Battery Type	Lr41 Cell
Operating Power	4.5V
Battery operating time	20 Hr
Size	L/Pi: 130/6.5mm
* Subject to change without notification	

DUO for laptop



- ❖ Laptop-only
- ❖ Simple and stylish design with easy portability
- ❖ Screen support up to maximum 15.4"
- ❖ 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

Sensor Type / Qty	MEMS / 2	Virtual writing pressure	Support
Infrared Type / Qty	IRDA / 1	Air touch	Support
Resolution	600 DPI	Virtual working space	A4~A5
Note Taking	Support	Operating Powder	DC 5V (USB
WorkSpace	15.4"	Operating Temperature	10*C~45*C
Connecting Type	USB	Size	H/W/D: 8.5/77/58mm