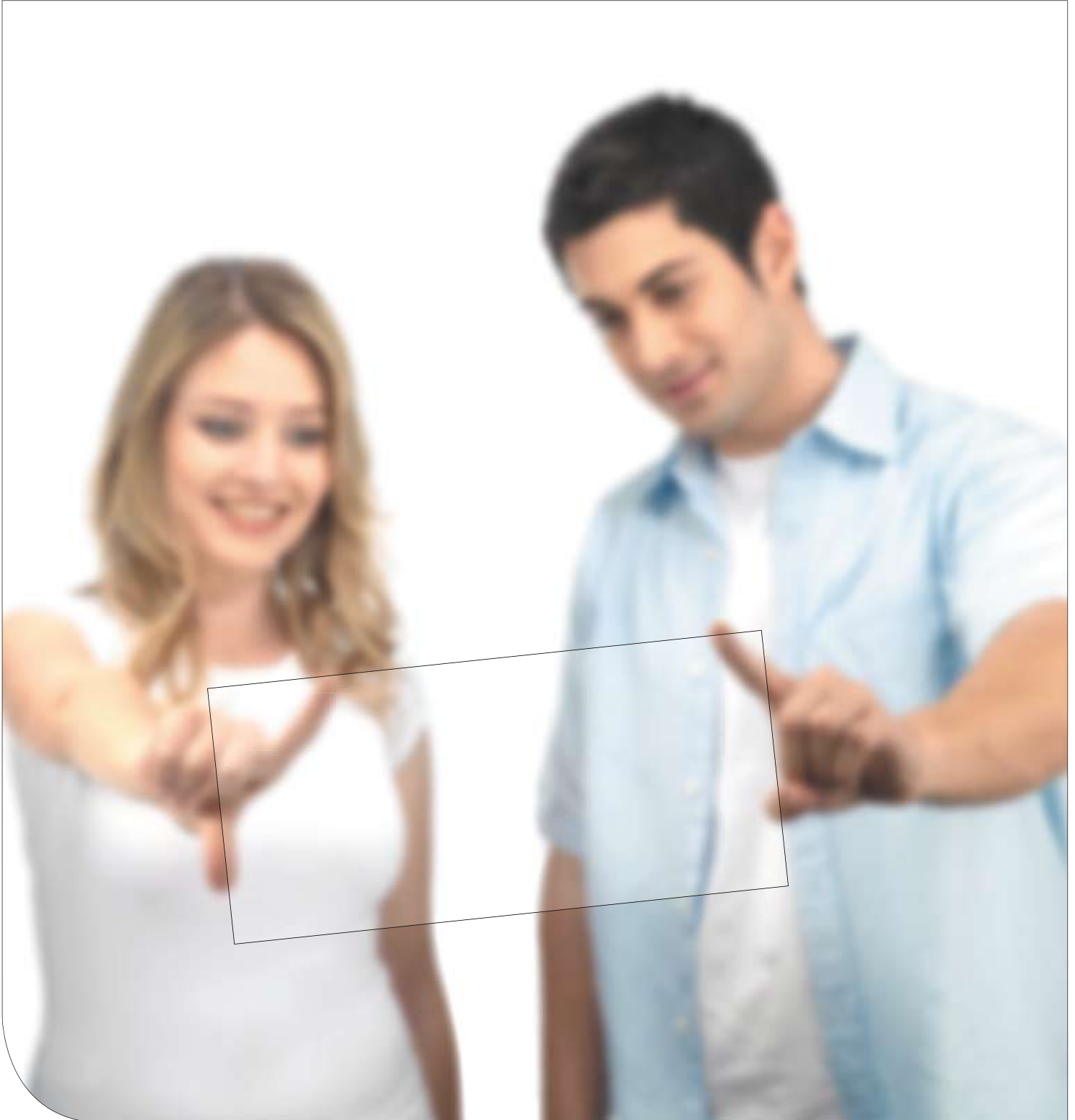
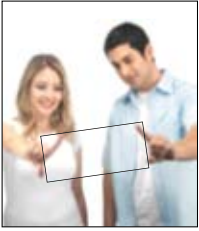


Creating and Developing a Touch-Enabled World





Enabling a New Approach to Computing:

Technology for a new generation

Over the last couple of decades, the personal computing industry has not changed that much. The keyboard, the mouse and the PC, despite certain minor cosmetic design changes, have all retained the same functionality. In today's hectic and fast-paced world, the need for – and use of – computers has changed significantly, with the PC increasingly becoming an essential element of our daily lives. While lifestyles are widely varied, this fact is a common denominator across the board. Our work environment is no longer limited to a desk in an office. It doesn't matter where we are – on the train, in our home, waiting for an appointment with a doctor – we are always on the move, and require constant access – not just using WiFi, but actually being able to pick up our computer and run with it.

The reality of this is paving the way for changes to the basic functionality of how we approach our work, as we try to adapt to this modern world, and the speed at which it spins. Pen and touch technology has come a long way since the days of the first tablet PCs, and is now far more sophisticated. The pen allows us to recapture the lost art of handwriting, touch provides a new alternative to traditional computer-use, and full multi-touch enables us to reach new heights of computing where more than two fingers can perform actions and manipulate data onscreen much as we would shuffle papers or objects on our actual desks. The combined solution is the natural progression of the way the computing industry is expanding and adjusting, creating productivity and enabling the necessary mobility to offer a more intuitive, natural and personal way of

computer interaction in our everyday life.

Software for tomorrow

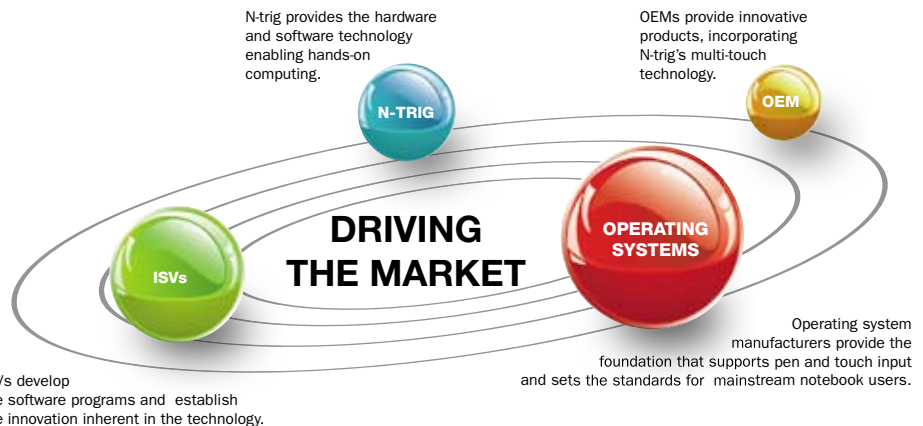
N-trig's DuoSense® solution provides a combined pen, touch, and multi-touch input device and interface that transforms the way consumers interact with their PCs and further blurs the line between the real and the virtual space. DuoSense enables you to use the pen to jot down notes, or dash off quick memos on the move between appointments, single touch capabilities to flick between applications or scroll up or down, and multi-touch to directly manipulate items on a screen, simultaneously using two or more fingers at any one time to perform natural gestures that did not previously exist on any mobile computing platform.

DuoSense offers the next generation in software bundling packages: built-in design for multi-touch software applications, and gesture-enhancement capabilities, available as out of the box features in conjunction with the DuoSense digitizer hardware, firmware and software.

As multi-touch becomes a reality in the computing market, PC manufacturers and operating vendors are embracing the touch

and multi-touch technology and including this knowledge within their mainstream products. We find ourselves adapting with more ease than we imagined, realizing that there are far fewer things in life that we do with only one finger or one point of contact.

N-trig promotes the benefits and further development of pen, touch and multi-touch technology, driving the computing market together with PC manufacturers and independent software vendors (ISVs). N-trig's DuoSense technology enables new market opportunities for PC manufactures to introduce innovative computer products that offer a more intuitive and interactive experience and for ISVs to develop cutting edge multi-touch software applications. Utilizing this collective foresight and creativity, N-trig is realizing the vision of multi-touch as the basis of our daily routine and lifestyle.



Pen and Multi-Touch

Imagine a world where your fingers drive the interaction...

Envision having the world at your fingertips – a world where touch technology is an everyday phenomenon. At home, at work, at school, at your chosen leisure activity – in all walks of life.

→ Gamers

Multi-touch is taking gaming to entirely new levels of achievement and imagination. Combining more than four touch inputs with a large screen format opens up a world of possibility and excitement for even the most jaded gamer. Picture a player walking up to the screen, placing their hand on it, and with one easy movement shooting flames or firing sparks from their fingertips. The mobility and dexterity afforded by full multi-touch can benefit several concurrent players, further increasing the appeal on a social and leisure basis, and ensuring that multi-touch gaming is the way of the future.

→ Students / pupils

In the classroom of tomorrow, virtual classrooms and laboratories are much more than a future possibility. Children use slate screens to write on, draw on, and read from – a portable, cost-effective solution, and a great aid to both teachers and pupils alike. Students work together with other students and teachers, using multi-touch technology to open up a Collaborative computing™ world of opportunity. The ability to use two or more fingers concurrently provides multiple options for a more fluid and productive interaction between peers, and for teacher-pupil interfacing. The multi-touch technology reaches beyond the classroom to the lecture hall or laboratories of tomorrow, enabling the recording of essential facts in a much more natural and comfortable manner.

→ Enterprise (network management)

Enterprise efficiency is the way of the future. The business of tomorrow runs at the sweep of a hand. Network management literally comes to life under your fingers, eliminating the need for time-consuming site visits. Inventory control has been entirely re-thought and re-energized: stock replenishment is instantaneous, as a direct result of the immediacy of reporting diminished supply. Efficiency and expediency are the buzz-words of the enterprise endeavor of the future, with multi-touch at the heart of the success, speed and altogether capable organizational system. A pen, touch and multi-touch empowered system is what helps the enterprise of tomorrow to keep their eye on the ball.

→ In the home

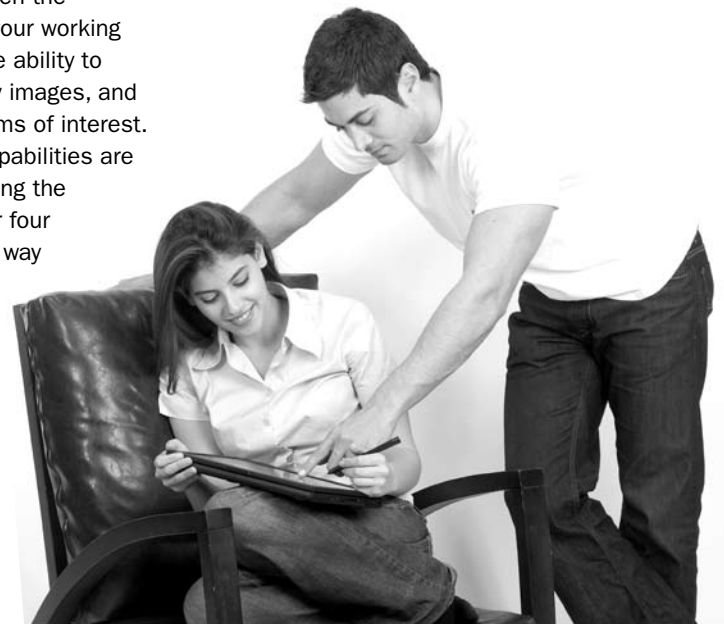
On your fridge is a pen and touch screen with built in inventory application that allows you to create interactive shopping lists and manage your daily family schedule, cross-matched to your specifications so that your life is run on a more efficient and economical basis.

→ The individual enterprise user

The ability to manipulate media items, photos, and applications on your desktop has been the natural progression of your working environment, as has the ability to shuffle windows, modify images, and select contents and items of interest. Now all of the above capabilities are further enhanced by using the next-generation three or four finger gestures, that go way beyond the standard pinch, zoom, rotate and scroll.

Multi-Touch: The Broad Perspective

- Fully compatible with Microsoft Windows operating systems: XP, Vista and Windows 7
- Can support a variety of applications including mobile and gaming, entertainment, and multimedia
- Features several out of the box multi-touch software applications, enhancements and advanced gesture technology, as part of the DuoSense package
- Offers the unique ability to use more than three fingers simultaneously – full multi-touch technology
- Battery-powered pen requires no additional hardware, providing the option of adding the pen at a later stage, thereby reducing costs
- Easily implemented by ISVs as the basis of creative and innovative multi-touch applications



N-trig and Partners

N-trig offers our partners a wealth of opportunity in designing, developing and creating future computing devices and software applications. Using DuoSense's full multi-touch technology as a springboard for ISVs and OEMs, this paves the way to enable new levels of interaction with the PCs of the future, using innovative and creative new products and programs.

N-trig has established, strong and flourishing industry alliances with leading OEM's such as Dell and HP, and has a long-standing relationship with Microsoft. These partnerships have resulted in the elevation of multi-touch to be the must-have technology within the personal computing industry.

DuoSense technology offers a real Hands-on computing™ experience for the end-user, humanizing the digital world by providing a more accessible and user-friendly computing interface. Together pen, touch and multi-touch present a hands-on™ route to personalizing the user's experiences with the computer, enabling an intuitive interaction that is more direct, highly efficient, and altogether usable.

For more information, please visit www.n-trig.com.



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Hands-on™ computing

N-trig™