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# **UNVEILED: DIGIPAS USA LLC’s eGeeTouch® Smart NFC- Fingerprint Luggage Locks named as 2016 CES Innovation Awards HONOREE**

**Las Vegas, LV – Jan. 04 2016** – DIGIPAS USA LLC is proud to announce that the world’s first **eGeeTouch® Smart NFC-Fingerprint Luggage Lock** is named a 2016 CES Innovation Awards Honoree under the Tech for Better World category for its outstanding innovation, engineering design and positive impact in enhancing the quality of life for the increasingly mobile worldwide travellers.

This is the **2nd consecutive years** that eGeeTouch Smartlock range has been honoured with this innovation award at the International CES, the proving ground for innovators and breakthrough technologies for more than 40 years and the global stage where next-generation innovations are introduced to the marketplace. eGeeTouch® sustained the position as a prolific innovator through the release of yet another World’s 1st smart lock.



## **WHAT IS eGeeTouch SMART NFC- FINGERPRINT LUGGAGE LOCK?**

World’s-1st patented eGeeTouch® Smart NFC- Fingerprint Luggage Lock is embedded **with two state-of-art proximity** **access security** technologies; requiring **no key**, **no digit-wheel dials** and **no code-memorizing, or even completely needs no unlocking device** to safeguard personal belongings unmatched by any conventional luggage lock.

Simply by tapping a pre-registered fingerprint on a sensor, to conveniently and speedily unlock a secured luggage. This novel dual-tech electronic luggage lock, embeds both semiconductor-biometric fingerprint and near-field communication (NFC) sensors, provides its users incredible one-touch hassle free experience and ultra-high access security unmatched by any conventional lock, including our earlier generation of award-winning single-technology NFC-driven eGeeTouch® smart luggage lock.

Coupled with proprietary authentication protocols generating over 100-million user's defined encrypted IDs, Audit Trails recording WHO, WHEN and WHERE access were made, and Vicinity tracking (patented features) to alert users when there is unwanted displacement of their luggage and/or travel bags; users are assured of ultra-high security protection.

Winning the 2015 CES innovation award and being granted the USPTO patent validate eGeeTouch® as the pioneer for introducing world's first Smart Luggage Lock to the travel industry. Our radical innovation has essentially transformed an isolated piece of conventional hardware lock into an interconnected leading-edge Internet of Things (IoT) for luggage.



*“****It’s truly an honor and a huge endorsement to us to be named, once again, a winner of the prestigious CES Innovation Awards, sustaining our position as a prolific innovator in the space of smart locks,****”* said Dr Jim Li, inventor & group CEO for DIGIPAS USA LLC.

## **BACKGROUND**

Lock is well known as an indispensable integral part of a typical luggage or travel bag providing its owner the most basic form of securing personal belongings during a trip. However, its functionality and security performances have not been keeping up with changes of modern society having increasing mobile travellers with heavy reliance on interconnected mobile-devices. For decades, these 'age-old' combination digit-wheel-dial or key padlocks have become outdated and indisputably cumbersome to use with doubtful security, particularly due to frequently-experienced lost key, difficult to-read tiny engraved-digit size, easily forgotten 3-digit unlocking code, and risk of being cracked in seconds.

Over 7 years of in-depth research and development has resulted in a PCT utility patent filed in 2010 and publicised at WIPO in 2012 covering over 100 countries worldwide & USPTO granted in 2015 - **US Pat. No. 9,121,199 B2**. The legal intellectual property right is owned by DIGIPAS USA LLC. Numerous patents were further filed to strengthen our intellectual property portfolio and extending national phase to many countries to reach wider jurisdictions. For more info on our IPs, please click here: <http://www.egeetouch.com/about/patent-ip>

**LOCK = SECURITY**

Locks essentially means 'SECURITY'. A luggage lock that is easily cracked or FAILS to secure your belongings while integrating with many other secondary features like remote unlocking, GPS tracking, weighting scale etc. just does not SOUND right to be categorized as a lock - it is simply a 'tech gimmick or toy' at best!

We believe that as a lock or locking device for a luggage, its vital PRIMARY function is to ensure security/protection. Therefore, we focus on perfecting its PRIMARY functions while integrating other secondary functions such as ease-of-use, vicinity tracking etc. to enhance users' travel experience.

In line with that, we have chosen Near Field Communication (NFC) as our PRIMARY unlocking/access technology. Unlike Bluetooth or RFID, NFC is designed with vital focus in security and has been well-known as the De Facto technology for mobile secured cash payment/transaction. Proprietary communication protocol and encryption technologies are deployed to prevent unauthorized attempts to extract stored access codes and an electronic luggage tag containing luggage owner's information.

Bluetooth is also implemented in eGeeTouch® luggage lock mainly for the Displacement/Locational vicinity tracking (patented feature) allowing travellers to be alerted when their unattended luggage/travel bags have been moved/displaced unknowingly in scenario such as; when resting/taking a catnap or having a meal during airport transit while waiting for boarding etc. Bluetooth is also incorporated here as a SECONDARY (alternative) access method to accommodate those users who prioritize convenience over high access security depending on personal unique preference and individual circumstances.

## **HOW IS eGeeTouch SMART LOCKS DIFFERENT FROM OTHERS?**

Unlike those tech-gimmicks innovation incorporating ‘futuristic’ features, eGeeTouch focuses on realistic and practically-useful functional features emphasizing on usability, security and simplicity. For example, multiple access methods provides greater choices to unlock a luggage. User may flexibly choose a NFC fob/tag, or user’s own NFC-enabled smartphone, smartwatch, sportband or USB cable to be PC connected for upgrading firmware or backup. Smart devices easily interconnect wirelessly or wired, enabling users to set, change, delete passwords and fingerprints, manage device interface and store these information within device or in the Cloud.

Maturing semiconductor-capacitive fingerprint sensor is selected over its conventional optical counterpart for its superior characteristics of small footprint, low power consumption, shock/impact and electrostatic discharge proofs, affordable price, particularly found its mass adoption in smartphones recently. The ingenuity of deploying dual-touch sensor technologies on eGeeTouch® Smartlock is that fingerprint offers incredible freedom for user to gain an access. However, when fingers get crumpled resulting from, such as a prolonged staying in bathtub or in a swimming pool, fingerprint sensor is likely to fail authentication. In such events, NFC-paired smart devices comes to ‘rescue’, ensuring guaranteed successful unlocking.

Substantive evidence captured since launching smartlock over the years has irrefutably validated our research findings particularly; (i) winning CES 2015 Innovation Award and attracted massive leading local and international media coverages, (ii) our generic NFC smart padlocks also won Best New Product Award based on Buyers’ votes at Japan largest DIY Homecenter 2014 and 2015 in two successive years, (iii) two NFC-Smartlock models are in mass production and proven successfully distributed by Amazon US, Germany, Japan, & UK. Intensive recurrent-closed interactions with our new customers and top management of world-leading luggage brands to OEM our smartlock modules lent us highly positive responses, insightful customer’s needs and feedbacks that enhanced our capability to rigorously sharpen next generation product innovation. The foregoing set the foundation in culminating this dual-technology eGeeTouch® NFC-fingerprint smart luggage lock targeting at growing smart-device savvy consumers.

In fact, luggage lock should not be less secure or constrained by cumbersome keys/dials. This radically new product of DIGIPAS USA LLC with its simplified One-touch function is set to revolutionize the travel bag industry, resulting from its ability to elevate travelers’ experience of a truly hassle free plus enhanced security in accommodating to shifting lifestyle trends of global increasing highly-mobile societies.

## **AT CES 2016**

On 4th and 6th to 9th January 2016, DIGIPAS USA LLCwill be exhibiting and demonstrating latest award winning & other new eGeeTouch® smart locks at the 2016 CES Unveiled (**Booth #57**), Las Vegas and 2016 International CES (**Booth #81019**) at Las Vegas, USA respectively.

2016 CES Innovation Honoree products are featured on CESweb.org/Innovation

## **NEWLY LAUNCHED - SMART TRAVEL PADLOCK**

Launched at **Indiegogo**: **World’s Smartest Travel Padlock** - Gives Travelers Ultimate Peace of Mind & Hassle-Free Experience around the World. *For more details, visit* [*http://igg.me/at/eGeeTouch2015*](http://igg.me/at/eGeeTouch2015)

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## **About DIGIPAS USA LLC**

**DIGIPAS USA LLC** is an innovation driven global-leading development and manufacturer of Digi-Pas® Precision Levelling, Angular Measuring Instruments and eGeeTouch® Smart Electronic Locks. eGeeTouch® is a registered trademark of DIGIPAS USA LLC and JSB TECH Pte Ltd, affiliated companies of Ventura Group with a history of over 20 years. Located in USA, Japan, UK, Germany and Singapore, the group company is led by Dr Jim Li who graduated with a PhD from Cambridge University, UK. He holds over 30 patents in the field of advanced technology deployment to electronic devices and manufacturing processes. His R&D team comprises highly specialized professionals focusing on the development of core capabilities within the niched domain expertise of advanced precision instrument and intelligent proximity access security technologies.

DigiPas’s leading-edge instruments are evidently used by some of the world’s most technologically advanced companies and government institutions such as **NASA, BOEING, Lockheed Martin, U.S. Navy, U.S. Air Force, Mazak, Intel, Mitsubishi, Honda, Makino, BMW** etc.

Further information is available at: [www.egeetouch.com](http://www.egeetouch.com) and/or [www.digipas.com](http://www.digipas.com)

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**EDITOR’S NOTE**: For more information about eGeeTouch® Smart Luggage Locks, Smart Travel Padlock or to arrange an interview, please contact Budi at (860) 373 9634 or [budi-phua@digipas.com](mailto:budi-phua@digipas.com)