

■ Remarks for Special Issue on Smart Device Solutions

The continuing digitization of information, mobile network advances... Against this background, we are now witnessing the rapid and widespread adoption of smart devices. Today we see using their smartphones to read newspaper and magazine articles and even placing orders for products that catch their eye right on the spot as they ride the commuter trains to the office. In shops and boutiques, clerks are carrying tablets and using video to explain and pitch products. These other scenes of people taking advantage of the power of smart devices are already a familiar sight in the city.

Smartphones and tablets together fall into the category of “smart devices.” This class of devices are characterized by a large screen and a touch panel that facilitate intuitive operation and the power of “real” expression as well as portability that allows their utilization regardless of location. In addition, smart devices hold the incredible potential to serve as an interface for systems that can deliver “big data”-based services by working in concert with marketing and analytical systems linked with the cloud via networks. In short, smart devices are evolving as tools that will drive social and corporate innovation.

While continuing to enhance our MEDIAS and LifeTouch lineup of smart devices, NEC is providing a wide range of business fields and society as a whole with solutions and services that exploit the unique advantages of smart devices.

In the world of business, smart devices are revolutionizing the way we do business and are indispensable to the development of solutions that can elevate customer satisfaction and multiply capabilities of the corporate sales and marketing force. For example, in case of customer service solutions, a smart tablet can be used to instantly search and retrieve requested information from a vast database of product information and display it - all on the spot right in front of the customer's eyes with no delay. Video images can also be shown and support impressive, easy-to-understand presentations and explanations. Smart devices also can support follow-up actions to offer even higher customer satisfaction such as inventory confirmation, finalizing shipping arrangements and payment conditions, again without delay.

NEC is also providing smart device-based solutions to support a safer and more

secure society. For example, when an earthquake or other disaster strikes, emergency maintenance personnel dispatched to inspect structural integrity and other damage can use the camera on their smart device to broadcast real-time images and location information directly to the disaster management center from the site, so that simultaneously videoconference can be conducted with colleague about appropriate measures. Smart devices can also serve as a tool for the swift and effective utilization of public safety information provided by urban crime prevention system that incorporate sensors and facial recognition systems. The widespread penetration of smart devices in our lives is enabling the building of a safer and more secure society.

NEC is also tackling solutions that will make the life of each individual more fulfilling and enjoyable. Mining various data such as search requests, inquiries and product/service purchases that are made using smart devices, we can suggest and provide products and services in synch with the personal preferences and lifestyle of the individual, helping the user enjoy a more pleasant and convenient life. In this special issue entitled “Smart Device Solutions,” we hope to introduce our readers to a broad diversity of the latest technology of NEC: from actual solutions that exploit the potential of smart devices to a variety of technologies that support these solutions such as imaging, voice recognition, sensing and the user interface. It also provides a look at how we are meeting the challenge of smart device security - a subject of growing interest, and addresses related issues such as BYOD (“Bring Your Own Device” - the use of the employee’s personal information terminal for corporate communications).

At NEC, we are continuing to fortify a broad array of technologies that will pave the way for smart device usage, and at the same time, open the door to a society of richer communications.

I hope that you enjoy this special issue and a peek into a smarter future.



SHIMIZU Takaaki

Senior Vice President and Member of The Board

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Remarks for Special Issue on Smart Device Solutions

NEC Group Paves the Way for Smart Devices

◇ Papers for Special Issue

Service platforms

Smart Device Management/Security Solutions Regardless of OS or Carrier
Solutions Supporting the Utilization of Smart Devices: System Introduction Case Studies
Authentication Solution Optimized for Smart Devices
“Smart Mobile Cloud” Contributing to the Use of Smart Devices
“BIGLOBE Cloud Hosting” Supports Building of High Quality Services
“Contents Director,” Content Distribution Service for Smart Devices
UNIVERGE Mobile Portal Service: A Smart Device Utilization Platform Optimized for BYOD
Remote Desktop Software that Supports Usability of Smart Devices
SystemDirector Enterprise - A Business System Construction Platform to Facilitate Development of Applications Compatible with Smart Devices
Smart Device Content Distribution Platform Service Using the BIGLOBE Hosting

Smart devices

Overview of “LifeTouch” Series Android Tablets
VersaPro Type VZ - A Windows 8-based, Large-screen Tablet PC
Development of an Android-based Tablet(Panel Computer series)

Solutions

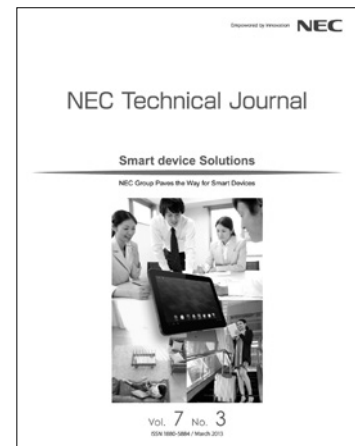
ConforMeeting: A Real-time Conference System Compatible with Smart Devices for Conducting Paperless Meetings
BusinessView Maintenance Work Solutions Utilizing Smartphones
Application of the UNIVERGE Remote Consultation Solution to Elderly Care
Introduction of the GAZIRU Image Recognition Service
Tablet Concierge- An Ultimate Customer Service Solution -
Development of a Business Systems Template for Use with Smart Devices
Introduction of Video Communications Cloud Services Compatible with Multiple Devices

Technical researches

Towards a User-Friendly Security-Enhancing BYOD Solution
Implementing Secure Communications for Business-Use Smart Devices by Applying OpenFlow
Human-Computer Interaction Technology Using Image Projection and Gesture-Based Input
Noise Robust Voice UI Technology and Its Applications

◇ General Papers

Efforts to Solve the Congestion Problems of Mobile Communications Services during Major Natural Disasters



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