

## Adding Connectivity to Devices by Applying Mobile Technologies

### Mobile Devices are the Growth Engines

According to a report by ABI Research, the wide deployment of broadband is kicking start shipments of broadband-enabled consumer electronics devices. The market research firm projects shipments of broadband-enabled consumer electronics (CE) devices is growing at a whopping 55-fold between 2008 and 2014.

While notebook computers and mobile phones are still the most popular consumer electronics devices, shipment of devices such as eBook readers, mobile digital cameras, personal media players (PMPs), personal navigation devices (PNDs), and mobile gaming devices, will reach 58 million in 2014.



## PD is Well Established in Mobile Technologies

We have been investing in mobile technologies way before it is commonly used in consumer electronics devices. In 2007, we deputed a WiFi enabled multimedia center for audio and video playback. The center supports streaming video from Internet, sending and receiving of picture emails, web browsing, online photo album such as Picasa, and Internet Radio. We developed a mobile phone for a brand name phone vendor, which was their first music mobile phone. Today, we have products such as **Cardphone** (economical GSM phone for stored value card use or travellers use), and develop devices equipped with wireless features ranging from WiFi, WiMAX, Bluetooth, GSM, etc.

We have gone beyond in applying mobile technologies on ordinary consumer electronics devices, as we developed WiMAX Voice-over Internet Protocol (“VoIP”) telephony equipments and GSM modules to the utility sector for applications, such as automatic meter reading devices.

WiMAX (Worldwide Interoperability for Microwave Access) is the next-generation of wireless technology designed to enable pervasive, high-speed mobile Internet access to the widest array of devices. As the fourth generation (4G) of wireless technology, WiMAX delivers low-cost, open networks and is the first all IP mobile Internet solution enabling efficient and scalable networks for data, video, and voice. The current WiMAX revision provides up to 40 Mbit/s, with the IEEE 802.16m update it is expected to offer up to 1 Gbit/s fixed speeds. With high network efficiency at low infrastructure investment cost, WiMAX network is expanding rapidly in developing countries such as Africa. Perception Digital is among the first movers deploying WiMAX VoIP phone to penetrate the continent.



Traditionally, utility companies employ meter-reading staff to take reading from households which is labor intensive and error-prone. Perception Digital helps the utility companies in reducing costs by supplying a GSM module for emitting the usage reading from an automatic meter reading device.

**Make your move!**

With our great ability in enriching devices with connectivity features, we are your one stop shop for mobile devices for consumer electronics and telecommunications.

Please visit us at:

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