

## PRESS RELEASE

**Panasonic Toughbook launches the CF-H1, the world's first\*  
Mobile Clinical Assistant featuring Intel® Atom™ processor, at  
World of Health IT 2008****'Bringing next generation mobile technology to the healthcare market'**

At this year's World of Health IT Exhibition, held in Copenhagen on November 4th, Panasonic will launch the world's first\* mobile clinical assistant (MCA) device using the Intel® Atom™ processor, further strengthening the company's position in the healthcare market. Based on the Intel® mobile clinical assistant reference platform, the new CF-H1 MCA is designed specifically for clinicians. The CF-H1 is a lightweight, water-resistant, shock and drop-tolerant and easily disinfected mobile computing device that meets the highest demands for mobility and networking within clinical environments. It allows doctors and nursing staff to benefit from instant access to medical records at the point of care, accurate documentation on patient conditions and medication, and enables greater efficiency of clinical processes.

Chis Bye, Managing Director, Panasonic Computer Products Europe (PCPE), said, "We are delighted to bring this next generation MCA to market. It's a significant step forward for Panasonic which puts us at the forefront of healthcare mobile technology. We have spent a number of years developing this product listening to the people that count and we are confident that it will completely transform the way clinicians operate today and in the future."

Using Panasonic's advanced battery technology and a low-power Intel® Atom™ processor, the CF-H1 offers a category-leading six hours of battery life, complemented by dual hot-swappable batteries that deliver extended life, allowing non-stop computing while on the move virtually eliminating down time during shifts.

Commenting on the introduction on Panasonic's new MCA entrant into the healthcare market, Louis Burns, vice president and general manager, Intel's Digital Health Group, said, "Intel developed the MCA reference based on significant ethnographic research, workflow studies and conversations with healthcare professionals worldwide. By putting innovative technologies such as the Toughbook H1 MCA in the hands of clinicians, we are providing them

with the tools they need to have the right information at the point of decision. Intel is committed to collaborating with companies such as Panasonic to help enable high quality, economical, and accessible healthcare.”

Working closely with existing customers within the healthcare market, Panasonic has created a device that is ‘designed by clinicians for clinicians’. With its light weight, Approx 1.5 kg design, low surface heat, comfortable- to-use integrated hand strap and conveniently placed barcode reader, the CF-H1 offers enhanced ergonomics over other MCA devices.

The CF-H1 has also been designed for easy disinfection, reducing the risk of infections being spread from patient to patient. The first MCA to offer a fanless design – limiting the opportunity for germs to be transported by the device –features a smooth surface with sealed buttons, a gapless LCD screen and no exposed ports. Panasonic developed a special exterior case material which can withstand frequent alcohol wipes. To further aid in disinfection, a Panasonic-designed software utility can be programmed to remind users to wipe the unit down at defined intervals and automatically records a successful cleaning for the hospital’s permanent records.

The rugged CF-H1 is MIL-STD-810F tested and is capable of withstanding 90 cm drops, similar to the height of a patient’s bed, while operational, plus additional working conditions such as vibration, humidity, altitude, temperature extremes and thermal shock. The sealed unit is IP54\*\* compliant for water-, rain- and dust-resistance and can easily handle being repeatedly sprayed and wiped with disinfectant.

The Toughbook CF-H1 also can help to reduce medication administration errors while helping nurses and physicians to deliver faster and safer care. With an integrated RFID reader, 2.0 megapixel auto-focus camera with dual LED lights, a barcode reader, contactless smart card reader and fingerprint readers for user authentication, the new CF-H1 is a secure and intuitive platform for barcode medication administration (BCMA), vitals capture and electronic medical records (EMR) capture and review – all at the point of care.

To meet the needs for mobility within many healthcare organizations, the CF-H1 offers a range of embedded wireless options including 802.11a/b/g/ draft-n and Bluetooth® 2.0. The device can also ship with Qualcomm’s new Gobi™ technology, offering up to 7.2 Mbps mobile data links and simplifying complex multi-carrier wireless deployments for IT departments. The CF-H1 also comes with optional, GPS technology allowing for location awareness with improved accuracy,

faster satellite acquisition time and lower power consumption.

The new Toughbook CF-H1 redefines performance and functionality for the MCA category with six hours battery life, dual hot-swappable batteries, standard daylight viewable screen and integrated Gobi™ technology in a sealed and easily-disinfected package.

Chris Bye further concludes “The CF-H1 harnesses our legendary Toughbook elements of rugged design, long battery life and best of breed wireless performance. This really does make this product the next generation MCA.”

### **Panasonic Toughbook® CF-H1: Select Features and Specifications**

- Genuine Windows Vista Business with Service Pack 1\*\*\*
- Intel® Atom™ processor (1.86GHz) Z540 with 533MHz FSB, 512KB L2 cache
- 1GB standard RAM configuration
- 80 GB 1.8-inch shock mounted removable hard drive
- 10.4” XGA sunlight viewable 500 nit Dual Touch LCD screen (1024 x 768 resolution)
- Anti-reflective screen treatment
- Integrated 2.0 megapixel auto-focus camera with dual LED lights
- Fingerprint reader
- Contactless smartcard reader
- RFID reader
- Fully rugged
  - MIL-STD-810F tested and IP54 compliant\*\*
  - 90 cm drop tested
  - Alcohol wipe resistant chassis
  - Sealed all-weather design
  - Rain-, spill-, dust- and vibration-resistant
- Intel® WiFi Link 5100 802.11a/b/g/draft-n
- Bluetooth® v2.0 + EDR
- Integrated docking connector
- Integrated options:
  - Optional integrated Gobi™-enabled HSPA 7.2 Mbps 3G Mobile Broadband
  - Global positioning system (GPS) receiver
  - 2D barcode reader (also reads 1D barcodes)
- 6 hours battery life
- Hot-swappable batteries
- Approx. 1.5 kg (with batteries)
- 264mm (W) x 268mm (H) x 34mm – 58mm (D)

### **Additional Notes for Editors**

“I consider the development of the MCA is extremely important. I am delighted that Panasonic valued the contribution of nurses, where 100 nurses met with their design team to develop hardware which supports nurses in their practice. Technology will continue to evolve and I am

confident the continual involvement of nurses at the design and implementation stages of development is essential – after all they will be the people to use it.” said Barbara Stuttle CBE, National Clinical Lead for Nursing, UK.