

Avalue Technology launches IoT based healthcare solutions

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Realizing smart paperless management, eco-friendly healthcare



Avalue Technology Inc., a global embedded solution provider, associate member of Intel® Internet of Things Solutions Alliance, has recently launched the Avalue E Ink series healthcare solutions. As IoT starts to take root, related devices and products are sprouting up and flourishing everywhere. In all IoT application scenarios, two factors are critical, i.e. connectivity and power saving. The connectivity of smart terminals must be highly energy-efficient, and e-paper is certainly one of the most power-saving and convenient technology to adopt.

Interactive labels, paperless management time- and labor-saving

In terms of healthcare, Avalue's smart ward solution consists not only of the highly praised bedside terminal but also the wireless E Ink series healthcare solution, including E Ink series bedside card, pick-to-light and E Ink note. Healthcare personnel can utilize backend system to communicate health information and update patients' hospitalization/ rehabilitative care information in real time.

Electronic transmission of information not only reduces the need to change cards manually, increases healthcare personnel's work efficiency, and decreases labeling/ writing error and hospital costs, it also makes smart paperless management possible and keeps hospital wards free from artificial light that disturbs patients' rest.

Furthermore, the ability to simultaneously update multiple terminals at any time is also applicable in the retail industry. For instance, hundreds of chain stores can be updated with the latest merchandise information and pricing within a few minutes of direct command from headquarters, solving the problem of high labor cost in the retail industry.

Ultra-low power consumption, convenient and fast installation

The ultra-low power consumption of E Ink comes from its "dual-stability" characteristic. Even with its power source removed or when unplugged, E Ink display remains unchanged and only consumes power when changing images. In terms of installation, E Ink is the perfect solution for smart healthcare as it is easy and convenient to install, requiring only an access point and router, and the E Ink bedside card/ pick-to-light system. The E Ink series health solutions provide real-time healthcare/ patient information, pharmaceutical information, treatment reminders and inquiry service, bringing the eco-friendly experience to smart healthcare.

Avalue's E Ink series healthcare solutions feature ultra-low power consumption and real-time information updates. With no backlight, the E Ink series bedside card does not disturb patients' rest, displays patient/ medical team information, and allows healthcare personnel to make real-time reporting during ward rounds and when dispensing medicine by simply clicking the report button. With its 180-degree wide viewing angle, the pick-to-light system is highly visible from any angle, and can be marked in red, green and/or yellow to display different medication lists. The 42-inch E Ink display has built-in smart touch

control that shows hospital regulations, floor plan and evacuation direction. It can also be mounted on the wall to display a beautiful painting. Avalue E Ink series is the perfect solution for your healthcare system.