Do more than a tablet can do

10.1" Portable Medical Gateway

Features:
- Intel® Cherry Trail processor
- Slim & lightweight design for clinical mobility
- Long battery life for intensive care services
- Standard USB Type-A for easy connection to medical devices
- IP54 certified & 3 feet drop resistant
- ORION client compatible
- VESA mounting via adapter
- EN60601-1 & UL60601-1 Certified
- Ergonomic design adapted for portable and cart use

Specifications

Processor: Intel® Cherry Trail QC Processor Z8350 1.44 GHz
System Memory: 2 / 4 GB
OS Support: Microsoft® Windows 10
Storage: eMMC 64 / 128 GB
Wireless Communication: 802.11 a/b/g/n+BT 4.0
GPS: u-blox NEO-M8Q
Gyroscope Sensor: Bosch BMG 160
Camera: 2MP (Front) / 8MP (Rear)
Touchscreen: Projected Capacitive Touchscreen
Accelerometer Sensor: Bosch BMC150
Ambient Light Sensor: Capella CM3218
Power Button: x1
Volume Keys: x2
Speakers: 3W x2
Internal Mic: x1
Alarm Light: x1 (Optional)
Power Requirement: DC 15V
Display: 10.1" 16:10 Wide Screen LED Panel
Resolution: FHD 1920 x 1200
Max. Colors: 16.7 M
Contrast Ratio: 800:1
Luminance (cd/m2): 300 nits
I/O
USB: USB 3.0 (Type-A) x1
Audio Out / Mic In: 3.5 mm Combo Audio Jack x1
Video Out: Micro HDMI x1 (Optional)
DC-In: x1
Battery Pack: Lithium-Ion
Battery Capacity: 46.62 Wh
Battery Run Time: Approx. 8 hrs
Mechanical and Environmental
VESA: VESA 75 via cradle
Operating Temperature: -10° C ~ 55° C (14° F ~ 131° F)
Storage Temperature: -20° C ~ 60° C (-4° F ~ 140° F)
Storage Humidity: 10%~95%@35°C, non-condensing
Dimension: 260 (W) x 186 (H) x 23 (D) mm
Net Weight: Approx. 1 kg
Certification: CE/FCC Class B, UL60601-1, EN60601-1

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MD101 Key Features for Medical Environments

- **Compact and thin design**
- **Long lasting battery (4090mAh/46.62Wh)** for 24/7 operation
- **Robust chassis prevents damage**
- **High resolution camera for rapid image capturing and wound documentation**
- **FHD resolution panel with wide viewing angle**
- **Crystal clear, highly sensitive and glove detectable multi-touch screen**
- **Alarm light with programmable color LED**

Nurse Station

**Medication Gateway**

The MD101 can be used as an integral part of a Closed Loop Medication Management (CLMM) system to complete the cycle of managing patient medication and administration workflow. As such, the MD101 acts as an medication gateway which allows it to read barcodes or scan data from a patient’s chart to ensure medication is administered to the correct patient. To increase processing efficiency in the medication chain, patients’ daily doses of medicine can be input directly while nurses make their rounds, shortening the waiting time for dispensing medications.

**ICU**

**Vital Signs Gateway and Monitoring**

Accurate recording of a patient’s vital signs in ICUs is a critical day task performed by nurses that helps doctors to select the best treatment plan for their patients. With easy integration of ECG, devices and an intuitive software user interface, the MD101 works as a gateway to document patient data in HL7 format, a common protocol used by EMR systems. Using the MD101 to record and transmit information automatically to the cloud, doctors can access data from anywhere to make informed decisions about treatment options. The MD101 also includes features to ensure it remains stable and reliable when used.

**Digital ORs**

**Remote Imaging Gateway**

IT technology can quickly create a large number of digital medical images from X-rays, CT scans, MRIs, and ultrasounds, requiring a medical display solution that can handle multiple image formats and display them without error. This challenge is one of today’s most important requirements for medical professionals needing large displays to help them perform medical procedures. The MD101 can be used as an imaging gateway to provide additional support to physicians as a bedside remote control panel to change, rotate and measure images in real time.

**Personal Residences**

**Remote Patient Monitoring**

Patients who don’t need the care provided by a hospital can often be discharged while continuing to have their vital signs remotely monitored to make sure they continue to recover normally. Self-diagnostic devices are designed for use by patients in their own homes to save time and medical expenses incurred by hospital visits. The MD101 can work as a medical gateway to wirelessly collect vital signs, blood pressure, and blood sugar data from self-diagnostic devices and transmit the data in the background to the healthcare provider for remote patient monitoring.

**Nursing Homes**

**Telemedicine Gateway**

Telemedicine is an area of rapid development in today’s healthcare industry trends for the foreseeable future. The benefit of this smart technology is it connects healthcare providers with patients regardless of their physical distance. With telemedicine solutions, physicians no longer have to provide quality healthcare. The MD101 has the ability to work with any computer and is equipped to provide quality care. The MD101 is able to work with any computer and is equipped to provide quality care.