

IMT-BT

Medical Mobile Tablet with Dual-Core Intel® Celeron® System-on-Chip

Features

- Dual-core Intel® Celeron® Processor N2807 SoC @ 1.58GHz
Operating Systems:
 - Windows Embedded 8.1
 - Android 4.4.2
- 10.1" sunlight readable display with Gorilla Glass, capacitive touchscreen
- Wireless Connectivity:
 - WLAN: IEEE 802.11 a/b/g/n/ac
 - WPAN: Bluetooth 4.0
 - WWAN (optional): 3.5G HSPA+, 4G LTE
- GPS, E-compass, G-sensor
- Data Capture: HF 13.56MHz NFC RFID, SAM encryption supported
- IP65 rating and 1.5m drop resistance (with optional protective rubber housing)



Specifications

Physical Characteristics

Dimensions: 291 x 198 x 23 mm (L x W x T)
 Weight: 1.2 kg
 Expansion slot: full-size SD slot x1
 SIM with SAM: SIM slot x 1
 Status LEDs: Power/Wireless status LEDs
 Buttons: Power Button x 1
 Programmable buttons x4
 Battery: 7.4V/6300 mAh Li-ion
 Speaker: 2W speaker x1
 Microphone: x1
 Headset: Stereo earphone jack x1
 USB: USB 3.0/2.0 x1
 Display Output: HDMI x1
 G-sensor: 3-axis, 2g, at least 8-bits accuracy
 E-Compass: 3-axis, at least 8-bits accuracy

Performance Characteristics

Processor: Dual-core Intel® Celeron® Processor N2807 SoC @ 1.58GHz (formerly "Bay Trail-M")
 Memory: 4GB DDR3 1333 MHz
 Storage: 64GB mSATA on board
 Operating system: Windows Embedded 8.1; Windows 10 (available Q2 2017)
 Android 4.4.2 (Kit Kat)

Data Capture

RFID: HF 13.56MHz, NFC 18092, 14443A/B, 15693
 SAM encryption supported
 Camera: 2MP camera on front, 5MP on rear (with flash)

Wireless

WLAN: IEEE 802.11 a/b/g/n/ac (combo Mini PCIe half-size card)
 WPAN: Bluetooth 4.0 (combo Mini PCIe half-size card)
 WWAN (optional): 3.5G HSPA+, 4G LTE (Mini PCIe card optional)

Working Environment

Operating Temperature: 0°C to 40°C
 Storage Temperature: -20°C to 60°C
 Charging Temperature: 0°C to 40°C
 Humidity: 10% to 90%, non-condensing
 Drop Resistance: 1.2m (1.5m w/ optional protective housing)
 Ingress Rating: IP65

Display Characteristics

Size: 10.1" TFT LCD display with Gorilla Glass
 Resolution: 1280 x 800 pixels (WXGA)
 Brightness: 600 cd/m²
 Touch Sensor: 2-point projected capacitive touch (PCT)

Certifications

CE, FCC, EN 60601-1

Mechanical Layout



Ordering Information

- IMT-BT-WIN81**
 IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Windows Embedded 8.1/Wi-Fi/Bluetooth
- IMT-BT-WIN81-LTE(EU)**
 IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Windows Embedded 8.1/Wi-Fi/Bluetooth/LTE(EU)
- IMT-BT-WIN81-LTE(USA)**
 IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Windows Embedded 8.1/Wi-Fi/Bluetooth/LTE(USA)
- IMT-BT-WIN81-M**
 IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Windows Embedded 8.1/Wi-Fi/Bluetooth/Medical Certification
- IMT-BT-ANDROID**
 IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Android 4.4.2/Wi-Fi/Bluetooth
- IMT-BT-ANDROID-LTE (EU)**
 IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Android 4.4.2/Wi-Fi/Bluetooth/LTE(EU)
- IMT-BT-ANDROID-LTE (USA)**
 IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Android 4.4.2/Wi-Fi/Bluetooth/LTE(USA)

Packing List

- Power Adapter**
 12V power adapter and EU/US standard power cord
- Hand Strap**
 Silicone hand strap with mounting screws



Hand Strap

Optional Accessories

- Office Dock**
 Office Dock without adapter
- Vehicle Dock**
 Vehicle Dock, 9V-36V power input with cigarette lighter socket adapter
- Protective Rubber Housing**
 Protective rubber housing with mounting screws, support to 1.5m drop resistance



Office Dock



Vehicle Dock



Protective Rubber Housing