



M0830

8" Intel® Atom™ Z8350 Mobile Clinical Assistant



Features

- eHealthcare and clinical assistant application
- 8" TFT color LCD 1024 x 768 XGA resolution
- IPS LED display with projected capacitive multi-touch panel
- High mobility with connectivities including WLAN and Bluetooth
- Expansion for storage via microSD slot
- Identification devices (barcode scanner, RFID & NFC reader)
- IEC & EN 60601-1 (Edition 3.1) and IEC & EN 60601-1-2 (Edition 4th) Compliant

Preliminary Specifications

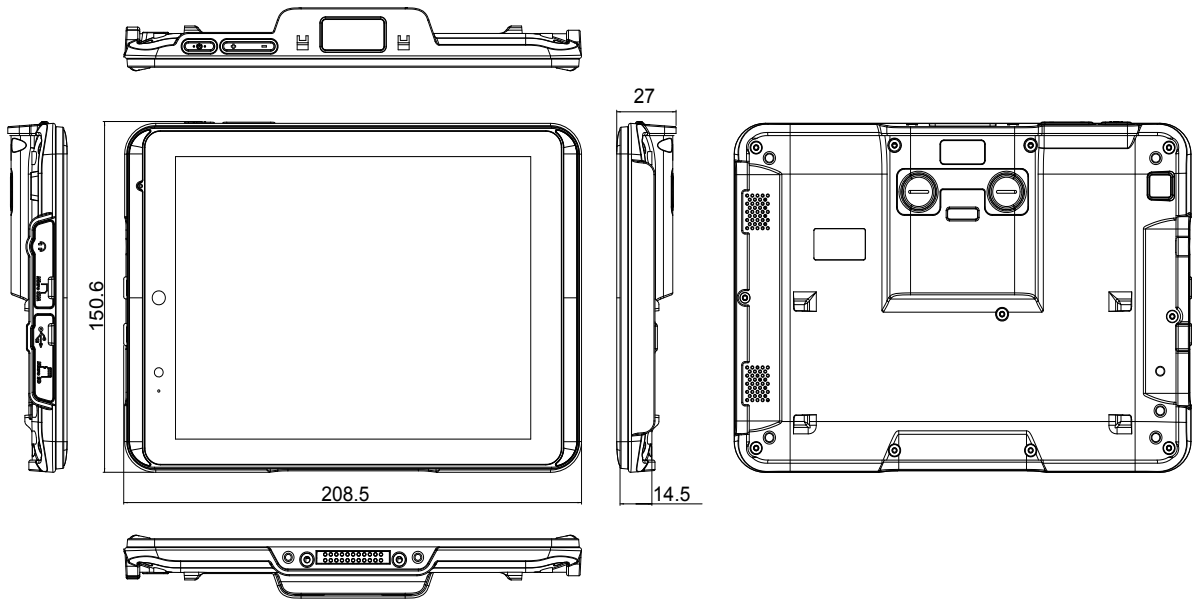
System	
CPU	Intel® Atom™ x5-Z8350 Processor (2M Cache, up to 1.84 GHz)
Graphic	Intel® HD Graphic Chipset
OS	Android™ v5.X & Windows 10
Memory	Built-in 2GB DDR3L-1600
Storage	Built-in 64GB eMMC
	1 x integrated microphone
Audio	2 x 0.5W integrated stereo speaker
	1 x 3.5mm headphone jack
Peripherals and Devices	
Camera	Front: 2.0 MP camera with fixed focus Rear: 8.0 MP camera with auto focus
Sensor	Gyroscope, eCompass, light sensor
WLAN	Integrated IEEE 802.11 a/b/g/n/ac
Bluetooth	Bluetooth® 4.1
Barcode Scanner	1D/2D barcode scanner with physical trigger buttons on right & left sides
NFC	ISO 14443A/B, ISO 15693 (on back side)
LCD Display	
Size/Type	8" IPS LED display
Resolution	1024 x 768 (XGA)
Luminance	300 cd/m ² (typ.)
Contrast Ratio	800 : 1
View Angle (U/D/R/L)	89°/89°/89°/89°
Touch Screen	
Type	10-point Projected Capacitive Touch w/ Corning® Gorilla® Glass
Light Transparency	85% ± 5% (typ.)
Controller Interface	I2C interface
Tablet PC I/O Interface	
USB Port	1 x Micro USB 2.0 port (OTG support)
SD Slot	1 x microSD card slot

Tablet Battery Consumption	
Operating Mode	3.5 hours (continuously playing YouTube video)
Standby Mode	29~33 hours
Power Supply	
Battery Type	Lithium-ion rechargeable battery
Battery Capacity	3.8V, 4000mAh
Power Adapter	AC100~240V, 50~60 Hz, 5V/10W
Mechanical & Environmental	
Operating Temp.	-10°C ~ 45°C (14°F ~ 113°F)
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Charging Temp.	0°C ~ 40°C (32°F ~ 104°F)
Dimensions (W x H x D)	208.5 x 150.6 x 27 mm (8.21" x 5.93" x 1.06")
Weight	520g (1.15lb) (with battery)
IP Rating	IP54
Drop Resistance	1.2m (4ft.)
	CE, FCC Part 18 Subpart C
Regulatory	IEC & EN 60601-1 Safety (Edition 3.1) Compliant IEC & EN 60601-1-2 EMC (Edition 4th) Compliant
Ordering Information	
M0830A	8" fanless Intel® Atom™ x5-Z8350 tablet PC with 2GB Memory, 64GB eMMC, NFC, Wi-Fi/BT, Android 5.1
M0830W	8" fanless Intel® Atom™ x5-Z8350 tablet PC with 2GB Memory, 64GB eMMC, NFC, Wi-Fi/BT, Win 10 IoT Enterprise

Medical Computing



Dimensions



Unit:mm

Standard Accessories

Medical-grade power adapter, 5V / 10W



Optional Accessories

Hand strap



Rope stylus pen



K-Lock



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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