

# M1861

## 18.5" Fanless Medical Infotainment Terminal



### System

CPU	ARM Quad-Core Cortex-A17 CPU 2.2G Hz, Android-based
GPU	Mali-T764
Memory	2GB DDR3L memory soldered on board
Storage	16GB eMMC Flash soldered on board

### Peripherals and Devices

WLAN & Bluetooth	1 x WLAN 802.11 a/b/g/n & Bluetooth 4.0 + BLE
Smart Card Reader	1 x Smart Card Reader slot
Camera	1 x 2.0 MP front-facing CCD camera
Barcode Scanner	1 x 1D/2D Barcode Scanner (optional)
Phone	1 x VoIP phone blower (optional)
Remote Controller	1 x wired remote controller with VoIP phone and function-key keypad (optional)

RFID & NFC	1 x 13.56MHz RFID & NFC reader with ISO 14443A/14443B/15693 support (optional)
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### I/O Interface

Audio	2 x 3W speakers, 1 x built-in microphone 1 x Mic-in, 1 x speaker-out on bottom Line
LAN	2 x RJ-45 GbE connectors (One on the bottom line, and the other on the rear panel. Only one works at a time.)
Serial Port	1 x RS-232 port on bottom Line (DB-9 connector)
USB Port	3 x USB 2.0 ports 1 x Micro USB 2.0 port
SD Slot	1 x SD card slot

### Button & Indicator

Button	1 x Power on/off button 1 x Home button 1 x Volume up button 1 x Volume down button 1 x LCD on/off button 1 x Channel up button 1 x Channel down button 1 x Phone on/off button 1 x Reset button
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### Features

- Flush Front Bezel ID Design
- ARM Quad-Core Cortex-A17 CPU 2.2G Hz, Android-based
- 18.5"LCD with 10-point Projected Capacitive Multi-Touch
- Applicable for Bedside Infotainment, Self-registration
- IEC60601-1 (3<sup>rd</sup> edition), EN60601-1 (3<sup>rd</sup> edition), EN60601-1-2 certified
- UL60601-1 compliant
- Ventless Design, Water-proof, Dust Resistant
- Patient Identification Through Integrated RFID & NFC, Barcode Scanner and Smart Card Reader

### Touch Screen

Type	10-point Projected Capacitive Multi-Touch (Flush-mounted)
Light Transparency	80% (typ.)

### LCD Display

Size/Type	18.5" TFT color LCD
Max. Resolution	1366 x 768 (WXGA) with 16.7M colors
Luminance	250 nits (typ.)
Contrast Ratio	1000 : 1 (typ.)
Backlight Type	LED
View Angle (U/D/R/L)	80°/80°/85°/85° (typ.)

### Power Requirement

Adapter Input	100 ~ 240 VAC (full range)
Adapter Output	DC 20V, 3.25A, 65W (Max.) with medical certificate

### Mechanical & Environmental

Operating Temp.	0 ~ 40°C (32 ~ 104°F)
Storage Temp.	-20 ~ 60°C (-4 ~ 140°F)
Operating Humidity	10 ~ 95% @ 40°C (non-condensing)
Dimensions (W x H x D)	500 x 337 x 45 mm (19.69" x 13.27" x 1.77")
Net Weight	3.9 kg (8.59 lb)
Vibration	1 Grms/ 5 ~ 500Hz/ random operation
Shock	10G/peak (11ms)
Mounting	VESA-100 compatible (M6)
IP Rating	Compliance design with IP65 (front touch panel)
Operational Altitude	Below 2000m
	CE, FCC Class B
Regulatory	IEC60601-1 (3 <sup>rd</sup> edition), EN60601-1 (3 <sup>rd</sup> edition), EN60601-1-2
	UL60601-1 compliant

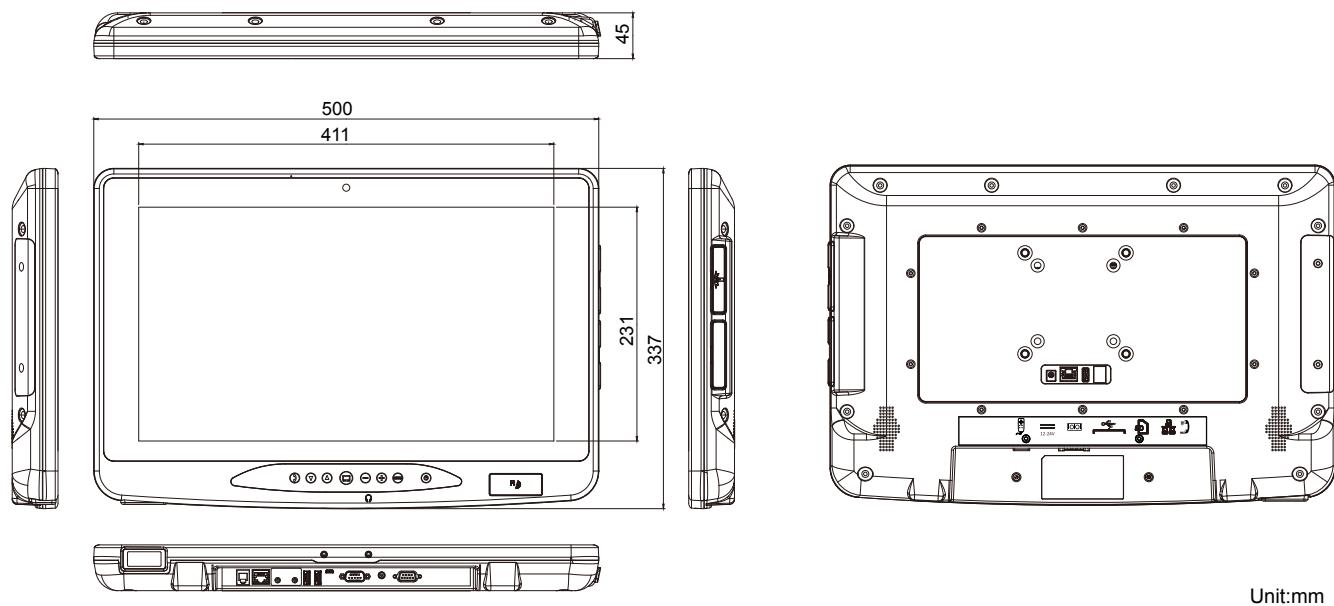
### OS Support

Android™ 5.1.1

### Ordering Information

M1861	18.5" fanless ARM Quad-Core Cortex-A17 CPU 2.2G Hz, Medical PC with flush-mounted projected capacitive multi-touch screen
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## Dimensions



### Standard Accessories

PAC-M065W	65W medical-grade AC/DC adapter kit
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### Optional Accessories

Phone-1858	VoIP phone with RJ-11 cable
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Remote Controller-1861	Wired remote controller with VoIP phone and function-key keypad
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ARM-Kits	VESA-75/100 medical arms
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### Optional Configuration (CTOS\* Kit)

(Not Sold Separately)

RFID & NFC-1860	RFID & NFC module kit
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BarC-1860	Barcode scanner module kit
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\*CTOS means Configure-to-Order Service.