

M1858C

18.5" Fanless Intel® Atom™ N2800 Infotainment Terminal



Features

- Flush Front Bezel ID Design
- Applicable for Bedside Infotainment, Self-registration
- Fanless Operating with Intel® Atom™ Processor N2800
- Ventless Design, Water-proof, Dust Resistant
- Patient Identification Through Integrated RFID, Barcode Scanner and Dual Smart Card Reader Slots
- Flush-mounted projected capacitive multi-touch screen
- Intel® SSD Compatible

System

CPU	Intel® Atom™ Processor N2800 dual-core 1.86GHz
Graphic Controller	Intel® GMA 3650
Memory	2GB DDR3 SO-DIMM memory module installed
Chipset	Intel® NM10
Storage	2.5" 320GB SATAII HDD or 2.5" 32GB SATA SSD

Peripherals and Devices

WLAN	Integrated Intel® Centrino® Advanced-N 6205 802.11 a/b/g/n
Smart Card Reader	Dual Smart Card Reader slots
Camera	1 x 5.0 MP front-facing CCD camera (with privacy slide)
Bluetooth	Bluetooth 2.1 + EDR (optional)
Barcode Scanner	1 x 1D/2D Barcode Scanner (optional)
Phone	1 x VoIP phone blower (optional)
Remote Controller	1 x Remote controller and VoIP phone (optional)
RFID	1 x Integrated ISO 15693/14443A/14443B RFID reader (optional)
RF Keyboard	1 x RF keyboard (optional)

I/O Interface

Audio	2 x Integrated 3W speakers, 1 x built-in Microphone 1 x Mic-in, 1 x speaker-out on bottom Line
A/V input*	3 x RCA connectors on bottom line
LAN	2 x RJ45 GbE connectors (one on bottom Line, and the other on rear panel)
Serial Port	1 x RS-232 port on bottom Line (DB-9 connector)
USB Port	2 x USB 2.0 ports (both at the bottom)
Coaxial Port	1 x coaxial port (at the rear)

Button & Indicator

Button	1 x Power on/off button 1 x Menu button 1 x Brightness up button 1 x Brightness down button 1 x Touch and LCD on/off button 1 x Volume up button 1 x Volume down button 1 x Phone on/off button
Indicator	4 x programmable LEDs on front panel

LCD Display

Size/Type	18.5" TFT color LCD
Max. Resolution	1366 x 768 (WXGA) with 16.7M colors
Luminance	250 cd/m ² (typ.)
Contrast Ratio	1000 : 1 (typ.)
Backlight Type	LED
View Angle (U/D/R/L)	80°/80°/85° /85°

Touch Screen

Type	Projected Capacitive Multi-Touch Screen (Flush-mounted)
Light Transparency	80% (typ.)
Controller Interface	USB interface

Power Requirement

Adapter Input	100 ~ 240 VAC (Full Range)
Adapter Output	DC 20V, 3A, 60W (Max.)

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)	558 x 337 x 66mm (21.97" x 13.27" x 2.6")
Vibration	1 Grms/ 5 ~ 500Hz/ random operation (SSD only)
Shock	10G/peak (11ms) (SSD only)
Net Weight	6.5 kg (14.33 lb)
Mounting	VESA-100 compatible (M6)
Regulatory	CE, FCC Class B EN60601-1 (3rd edition), EN60601-1-2 certified

OS Support

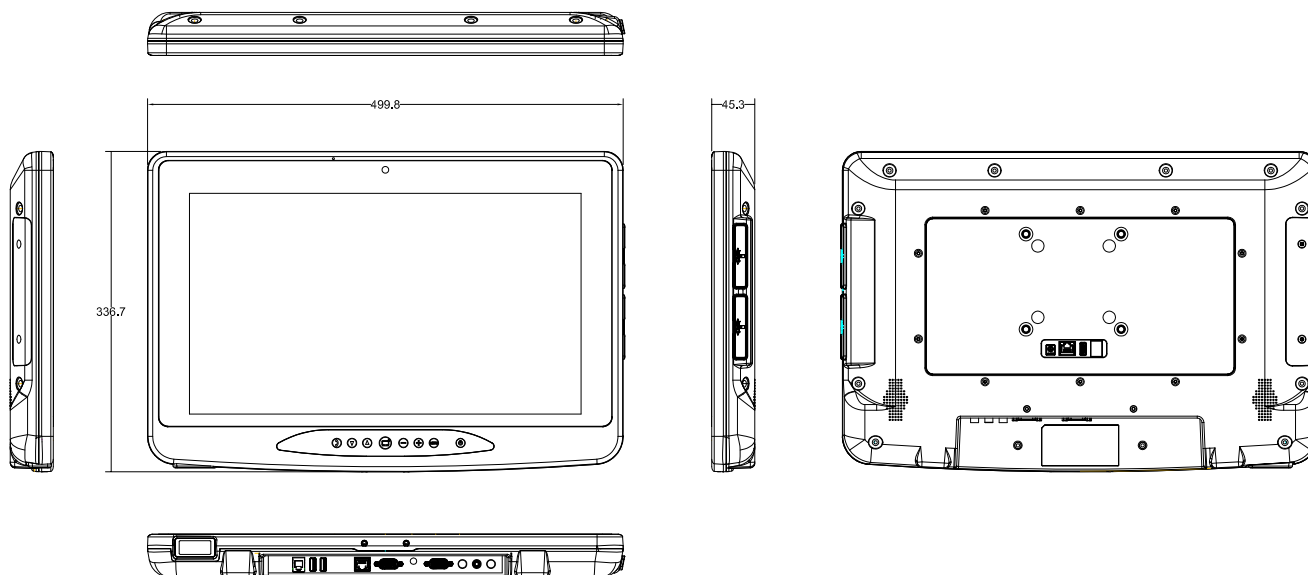
Windows 7 Professional / Windows Embedded Standard 7 (WES 7 E)
Ubuntu and Fedora Linux compliant

Ordering Information

M1858C	18.5" fanless Intel® Atom™ N2800 1.86GHz Medical PC with flush-mounted projected capacitive multi-touch screen
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Dimensions



Standard Accessories

Power Adapter 60W medical-grade AC/DC adapter kit



Optional Accessories

Phone-1858 VoIP phone with RJ-11 cable



RFKB-1858 RF keyboard



RC-M185X Remote controller with DSUB-9 cable



ARM Kits See pages [029](#) - [030](#).

Optional Configuration (CTOS* Kit) (Not Sold Separately)

RFID-1858 RFID module kit



BarC-1858 Barcode scanner module kit



BT-1858 Bluetooth module kit



KBR-1858 RF keyboard receiver kit



*CTOS means *Configure-to-Order Service*.