

M1858

18.5" Fanless Intel® Cedar Trail Atom™ Dual Core N2800 Infotainment Terminal



Features

- Fanless Design
- Applicable for Bedside Infotainment, Self-registration
- Fanless Operating with Intel® Atom™ N2800 Processor
- Ventless Design, Water-proof, Dust Resistant
- Support MPEG-2 (AVC/H.264) & VC-1; 720p60, 1080i60, 1080p@24 up to 20Mps
- Privacy Cover on Camera
- Patient Identification Through Integrated RFID, Barcode Scanner and Dual Smart Card Reader Slots
- Intel® SSD Compatible

System

CPU	Intel® Atom™ Dual Core N2800 1.86GHz processor
Graphic Controller	Intel® GMA 3650
Memory	2GB DDR3 SO-DIMM memory module installed
Chipset	Intel® NM10
Storage	2.5" 32GB SATA SSD installed

Peripheral Devices

Wi-Fi	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 megapixels CCD camera (with privacy slide)
Bluetooth	Integrated Bluetooth 2.1 + EDR (optional)
Barcode Scanner	Integrated 1D/2D Barcode Scanner (optional)
Phone	Integrated VoIP phone blower (optional)
RFID	Integrated ISO 15693/14443A/14443B RFID reader (optional)
RF Keyboard	Integrated RF Keyboard (optional)

I/O interface

Audio	2 x Internal speakers (3W), 1 x Microphone built-in 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 connectors for GbE LAN (one on bottom Line, and the other on rear panel)
Serial Port	1 x RS-232 port on bottom Line
USB Port	3 x USB 2.0 ports (two on Bottom and one on 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	Analog Resistive Touch
Light Transparency	80% (typ.)
Controller Interface	USB interface

Power Requirement

Adapter Input	100 ~ 240 VAC (Full Range)
Adapter Output	19VDC, 3.42A, 65W (Max.)

Mechanical & Environmental

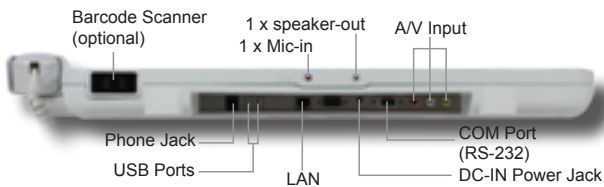
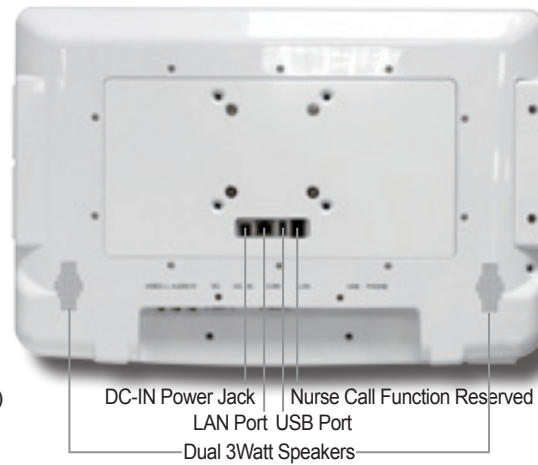
Operating Temp.	0 ~ 40°C (32 ~ 104°F)
Storage Temp.	-20 ~ 60°C (-4 ~ 140°F)
Operating Humidity	10 ~ 95% @ 40°C (non-condensing)
Dimensions (W x D x H)	558 x 337 x 66mm (21.97" x 13.27" x 2.6")
Vibration	1 Grms/ 5 ~ 500Hz/ random operation
Shock	10G/peak (11ms)
Net Weight	6.5 kg (14.33 lb)
Mounting	VESA-100 compatible (M6)
Regulatory	CE, FCC Class B EN60601-1, EN60601-1-2 compliant
IP Rating	Front panel IP65 waterproof

OS Support

Windows 7 Embedded / Windows 7 Professional
Ubuntu and Fedora Linux compliant

Ordering Information

M1858	18.5" fanless Intel® Atom™ N2800 1.86GHz Medical PC
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Composite AV Input
(Reserved for Optional AV Capture Card)



5.0MP CCD Camera with Privacy Slide


Capacitive Function Keys



Dual Smart Card Readers



Standard Accessories

Power Adapter 65W AC/DC Adapter kit with EU and US power cord 

Optional Accessories

Phone-1858 VoIP Phone 

RFKB-1858 RF Keyboard kit 

ARM Kits See pages 28 and 29.

Optional Configuration (CTOS* Kit)

RFID-1858 RFID module kit 

BarC-1858 Barcode Scanner module kit 

BT-1858 Bluetooth module kit 

SSD-25040 Intel® 2.5" 40GB SATAII SSD kit 

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

All specifications are subject to change without notice.