

# M1856

18.5" Fanless Intel® Atom™ N270 Infotainment Terminal



## Features

- Bedside Infotainment, Self-registration, Applicable
- Lifetime Guarantee Anti-bacterial Protection (Against Escherichia Coli & Staphylococcus Aureus)
- Fanless Operating with Intel® Atom™ N270 Processor
- EN60601-1, EN60601-1-2 Certified
- Ventless Design, Water-proof, Dust Resistant
- Support H.264/AVC @Level 4.2; MPEG-4 Part2 SP & ASP
- Privacy Cover on Camera
- Patient Identification Through Integrated RFID, Barcode Scanner and Single Smart Card Reader Slot
- Intel® SSD Compatible

## System

<b>CPU</b>	Intel® Atom™ N270 1.6GHz processor
<b>Memory</b>	2GB DDR2 SO-DIMM memory module installed
<b>Chipset</b>	Intel® 945GSE + ICH7M
<b>Storage</b>	160GB 2.5" SATA HDD installed

## Peripheral Devices

<b>MPEG Decoder</b>	1 x MPEG decoder card (optional)
<b>Bluetooth</b>	1 x Bluetooth module (optional)
<b>Barcode Scanner</b>	1 x 2D Barcode Scanner (optional)
<b>Camera</b>	1 x 5.0 megapixels CCD camera (with privacy slide)
<b>Phone</b>	1 x VoIP phone blower (optional)
<b>RFID</b>	1 x Integrated ISO 15693/14443A/14443B RFID reader (optional)
<b>Smart Card Reader</b>	Single slot Smart Card Reader
<b>Wi-Fi</b>	1 x 802.11 b/g/n wireless LAN (optional)

## I/O interface

<b>Audio I/O</b>	2 x Internal speakers (3W), Microphone built-in 1 x Mic-in, 1 x speaker-out on bottom Line
<b>A/V input*</b>	3 x RCA connectors on bottom line
<b>LAN</b>	2 x RJ45 connectors for GbE LAN (one on bottom Line, and the other on rear panel)
<b>Serial Port</b>	1 x RS-232 port on bottom Line
<b>USB Port</b>	3 x USB 2.0 ports (two on Bottom and one on Rear)

## Button & Indicator

<b>Function Key</b>	8 x function keys
<b>LED Indicator</b>	4 x programmable LEDs on front panel
<b>Power Button</b>	1 x Power on/off button

## Power Requirement

<b>Adapter Input</b>	100 ~ 240 VAC (Full Range)
<b>Adapter Output</b>	20VDC, 3A, 60W (Max.)
<b>Power Consumption</b>	35W (Max.)

## LCD Display

<b>Size/Type</b>	18.5" TFT color LCD
<b>Max. Resolution</b>	1366 x 768 (WXGA) with 16.7M colors
<b>Luminance</b>	250 cd/m <sup>2</sup> (typ.)
<b>Contrast Ratio</b>	1000 : 1 (typ.)
<b>Backlight Type</b>	LED
<b>Backlight Life Time</b>	30,000 hours

## Touch Screen

<b>Type</b>	Analog Resistive Touch, 5 wire
<b>Light Transparency</b>	80% (typ.)
<b>Controller Interface</b>	USB interface

## Mechanical & Environmental

<b>Operating Temp.</b>	0 ~ 40°C (32 ~ 104°F)
<b>Operating Humidity</b>	5 ~ 95% (non-condensing)
<b>Dimensions (W x D x H)</b>	558 x 337 x 65.2mm (21.97" x 13.27" x 2.57")
<b>Weight (Net)</b>	5.5 kg (12.1 lb)
<b>Construction</b>	Plastic + Aluminum
<b>Mounting</b>	VESA-75/100 compatible (M6)
<b>Regulatory</b>	CE, FCC Class B EN60601-1, EN60601-1-2
<b>IP Rating</b>	Front panel IP65 waterproof

## OS Support

Windows embedded Standard 7  
Windows XP embedded  
Linux Ubuntu and Fedora compliant

## Ordering Information

<b>M1856</b>	18.5" fanless Intel® Atom™ N270 1.6GHz panel PC
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\*The AV input is only effective with optional AV capture card installed.

All specifications are subject to change without notice.

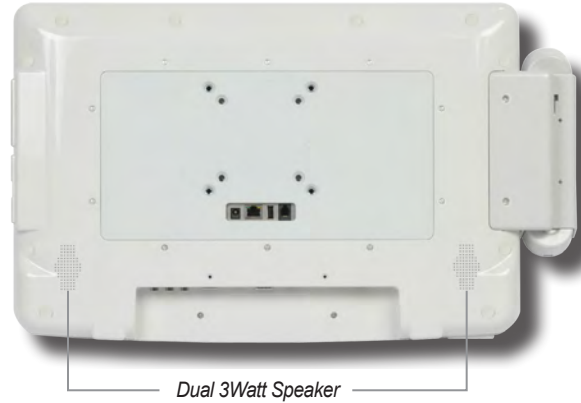
# M1856

18.5" Fanless Intel® Atom™ N270 Infotainment Terminal

5.0MP CCD Camera with Privacy Slide



1 x Smart Card Reader



Capacitive Function Key



Composite AV Input



## Standard Accessories

### PAC-M065W

65W Medical AC/DC adapter kit



### CAM-185x

5M Camera kit w/ AF



## Optional Accessories

### Phone Blower

VoIP Phone



### Remote Controller



### ARM Kit

Hospital Arm

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## Optional Configuration (CTOS\* Kit)

### RFID-185x

RFID module kit



### BarC-185x

Barcode scanner module kit



### WiFi-185x

WiFi module kit



### BT-185x

Bluetooth module kit



### AVC-185x-D

DVB-T / PAL AV capture card



### AVC-185x-A

ATSC / NTSC AV capture card

### SMR-1856

2<sup>nd</sup> smart card reader module kit



### MPEG Decoder Card

Support H.264/ AVC, MPEG-2, VC-1, WMV9, MPEG-4, DivX, Xvid, and AVS



<b>SSD-25080</b>	<b>Brand/Type</b>	Intel / 2.5 inch
Intel® 2.5" 80GB	<b>Interface</b>	SATAII
SATAII SSD kit	<b>Capacity</b>	80GB
	<b>Dimensions (W x D x H)</b>	100.45 x 69.85 x 9.5 mm (3.95" x 2.75" x 0.37")



\*CTOS means Configure to Order Service.

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