**8" SVGA AFOLUX PPC**

# AFL-08B-N270

## Intel® Atom™ Processor N270 1.60 GHz

→ **Camera with Low Light Capability**
→ **Digital Microphone**

**LED Backlight**

FC C€ CCC UL

## Features

- 8" LED backlight LCD panel with resistive type touch screen
- Built-in 300K pixel camera with low light capability
- Built-in digital microphone
- Selectable AT/ATX power mode via internal switch
- Fanless cooling system
- System memory up to 2 GB SDRAM
- Built-in 802.11b/g/n Wireless LAN
- Built-in two 1.5 W speakers
- One CompactFlash® slot
- IP64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery
  (Suggest over 4GB storage capacity)

Fanless | Wireless 802.11 b/g | Speakers | Microphone | Camera | One Key Recovery iEi symantec.

## Specifications

| Model | AFL-08B-N270 |
|---|---|
| LCD Size | 8" |
| Max Resolution | 800 x 600 |
| Brightness (cd/m²) | 250 |
| Contrast Ratio | 400 : 1 |
| LCD Color | 262K |
| Pixel Pitch (mm) | 0.2025 (H) x 0.2025 (V) |
| Viewing Angle (H-V) | 140º / 130º |
| Backlight MTBF | 30000 hrs (LED backlight) |
| SBC Model | AFLMB-945GSE-N270-R10 |
| CPU | Intel® Atom™ Processor N270 (512K L2 Cache, 1.60 GHz, 533 MHz FSB) |
| Chipset | Intel® 945GSE + ICH7M |
| RAM | Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.) |
| I/O Ports | 1 x RS-232 COM Port<br>1 x RS-232/422/485 COM Port<br>2 x RJ-45 for GbE<br>2 x USB 2.0<br>1 x Power Switch<br>1 x Reset Button<br>1 x External SATA<br>1 x Audio Port<br>1 x Power Jack |
| SSD | CF Type II |
| Watchdog Timer | Software programmable supports 1~255 sec. system reset |
| Audio | AMP 1.5W + 1.5W (internal speakers) |
| Camera Module | 300K pixel camera with digital microphone |
| Wireless Connection | 1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface) |
| Construction Front Panel | ABS + PC Plastic front frame |
| LED Function | 1 x Power on/off LED on front panel |
| Mounting | Panel, Wall, Rack, Stand and Arm<br>VESA 75mm x 75mm |
| Front Panel Color | Gray 7539U |
| Dimensions (WxHxD) (mm) | 234 x 177 x 43 |
| Operation Temperature (°C) | -10°C ~50°C |
| Storage Temperayure (°C) | -20°C ~60°C |
| N/G Weight | 0.8 Kg |
| IP Level | IP64 compliant front panel |
| Safety & EMC | CE / FCC / CB / CCC |
| Touch Screen | 5-wire resistive type (touch controller IC is on board) |
| Power Adapter | P/N: 63000-FSP036RAB608-RS<br>36W Power Adapter<br>Input: 90VAC~264VAC, 50/60Hz<br>Output: 12VDC |
| Power Requirement | 12VDC |
| Power Consumption | 25W |

**1** IEI Mobile Solutions

**2** Automation Panel Solutions

**3** RISC-based Solutions

**4** PACSmate Medical Solutions

**5** Optional Peripherals

## Fully Integrated I/O

- Power Switch
- Standard VESA Mounting
- Line-out for Speakers
- Reset Button
- 2 x USBs
- 2 x LAN
- RS-232/422/485
- RS-232
- External SATA
- +12V DC Power Jack
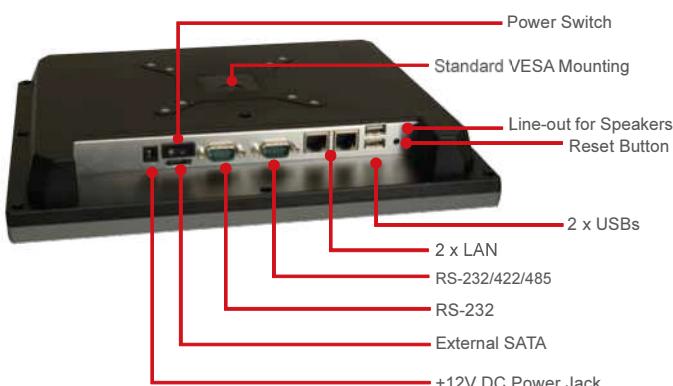
## LED-backlight PPC Delivers Vivid Images

The AFL-08B-N270 is the first panel PC with its compact size to incorporate a LED backlight - making viewing and editing photos a lot better than previous CCFL illumination models.

**LED backlighting PPC displays clear and vivid pictures!**

**Enhancement of image quality on LCD screen**
- Wider color gamut
- More even screen illumination
- Longer display life
- Low temperature operation and greater power efficiency

**Color Gamut Comparison**

— LED
---- Normal CCFL
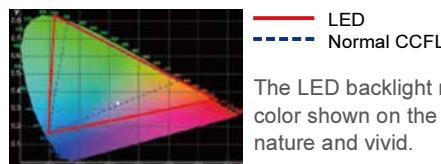
The LED backlight makes the image color shown on the LCD screen look nature and vivid.

## AFL-08B Dimensions (Unit: mm)

Suggested Cut out size
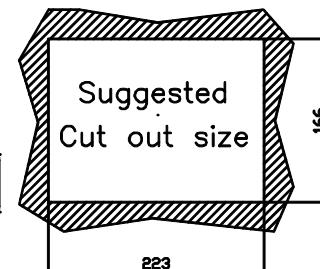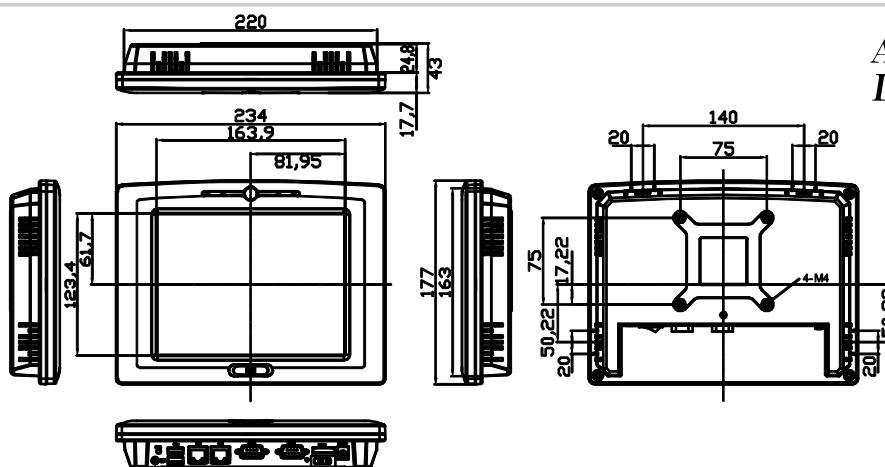
## Ordering Information

| Part Number | Description |
| --- | --- |
| AFL-08B-N270/R/1G-R22 | 8" 250 cd/m², SVGA fanless panel PC with Intel® Atom™ N270 1.6GHz,802.11b/g/n wireless module, touch screen, 300K pixel camera with digital microphone, 1GB DDR2 533MHz, R22 |

## Options

| | |
| --- | --- |
| **Panel** Mounting Kit | AFLPK-12 |
| **Wall** Mounting Kit | AFLWK-12 |
| **Rack** Mounting Kit | AFLRK-08 |
| **Arm** | ARM-11-RS / ARM-31-RS |
| **Stand** | STAND-A08 / STAND-100-RS |
| **VSTAND** | VSTAND-A10 |
| 9~30VDC to 12VDC converter module | IDD-930160-KIT |
| OS: Win CE 6.0 (128 MB CF card) | AFLCF-08-N270-CE060-R21 |
| OS: Win XPE (1 GB CF card) | AFLCF-08-N270-XPE-R21 |
| OS: LINUX (2 GB CF card) | AFLCF-08-N270-LNX-R21 |
| OS: Win 7 Embedded (2GB CF card) | AFLCF-08-N270-WES7E-R21 |
| Hybrid Card Reader | AFLP-08BMSI-U |
| Magnetic Stripe Reader | AFLP-08BMSR-U |
| DC 12V Input UPS | AUPS-A10-R10 (7.4V 3800mAH) |
| DC 9~36V Input UPS | AUPS-A20-R10 (7.4V 3800mAH) |
| Bluetooth V2.0+EDR | AFL-BT-KIT02-R10 |

Note: Win CE application without digital microphone function

## ISMM Supported Functions

| | Voltage | Fan | Smart Fan | Temperature | WDT | Cash Drawer |
| --- | --- | --- | --- | --- | --- | --- |
| AFL-08B-N270 | V | | | V | V | |

## Packing List

| Item | Part Number | Q'ty | Specification |
| --- | --- | --- | --- |
| Screw Pack | 44013-030041-RS | 4 | M3;5mm |
| Power Adpater | 63000-FSP036RAB608-RS | 1 | 90~264V AC; 12V DC; 36W |
| Power Cord | 32000-000002-RS | 1 | 1750mm (EU or US, depending on the shipment country) |
| Utility CD | 7B000-000087-RS | 1 | |
| Touch Pen | 43125-0002C0-00-RS | 1 | |
| One Key Recovery CD | | 1 | |

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