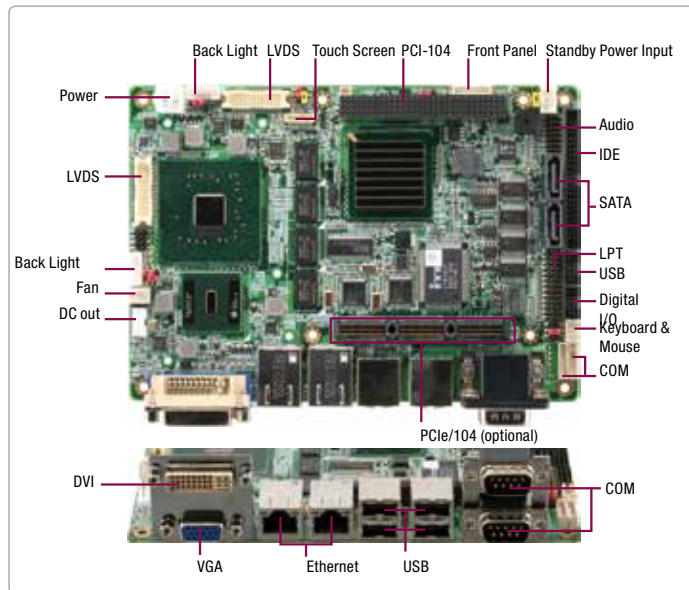


# EPIC-9457 Rev. B

EPIC Board With Onboard Intel® Atom™ N270 Processor



## Features

- Intel® Atom™ N270 1.6 GHz Processor
- Intel® 945GME + ICH7M
- Onboard DDR2 400/533MHz Memory, up to 1 GB
- Gigabit Ethernet x 2
- Dual 18/24-bit Dual-Channel LVDS LCDs
- AC97 2.3 Code 2CH Audio
- Type 2 CompactFlash™ x 1, SATA 1.5Gb/s x 2
- USB2.0 x 6, COM x 4, Digital I/O 8-bit
- PCI-104, Mini Card, PCIe/104 (Optional)
- +8.5V ~ +19V
- Optional RAID 0 & 1

## Specifications

| System                      |   |
|-----------------------------|---|
| Form Factor                 | EPIC Express Board  |
| Processor                   | Intel® Atom™ N270 1.6GHz Processor                                      |
| System Memory               | Onboard DDR2 400/533MHz, up to 1 GB                                     |
| Chipset                     | Intel® 945GME + ICH7M   |
| I/O Chipset                 | ITE8781   |
| Ethernet                    | Intel® 82574L for 10/1000/1000Base-TX, RJ-45 x 2                        |
| BIOS                        | Award Plug & Play BIOS – 2 MB ROM                                       |
| Wake On LAN                 | Yes   |
| Watchdog Timer              | Generates a time-out system reset                                       |
| H/W Status Monitoring       | Supports Power Supply Voltage, Fan Speed and Temperature Monitoring.    |
| Expansion Interface         | PCI-104, Mini Card x 1, PCIe/104 (optional)                             |
| Battery                     | Lithium battery   |
| Power Requirement           | +8.5 ~ +19V   |
| Power Consumption (Typical) | Intel® Atom™ N270 1.6 GHz, DDR2 1GB<br>1.7A @12V                        |
| Board Size                  | 4.5" x 6.5"(115mm x 165mm)  |
| Gross Weight                | 1.2 lb (0.5 Kg)   |
| Operating Temperature       | 32°F ~ 140°F (0°C ~ 60°C), -4°F ~ 158°F (-20°C ~ 70°C) for WiTAS1       |
| Storage Temperature         | -40°F ~ 176°F (-40°C ~ 80°C)  |
| Operating Humidity          | 0% ~ 90% relative humidity, non-condensing                              |
| MTBF (Hours)                | 60,000  |
| Display                     |   |
| Chipset                     | Intel® 945GME integrated  |
| Memory                      | Shared system memory up to 224 MB                                       |
| Resolutions                 | Up to 2048 x 1536 for CRT<br>Up to 1920 x 1200 for LCD & DVI            |
| LCD Interface               | Dual 18/24-bit Dual-Channel LVDS LCDs                                   |
| DVI                         | DVI x 1   |
| I/O                         |   |
| Storage                     | EIDE x 1 (UDMA-33 for two devices), SATA 1.5Gb/s x 2, CompactFlash™ x 1 |
| Serial Port                 | RS-232 x 3, RS-232/422/485 x 1  |
| Parallel Port               | SPP/EPP/ECP Mode  |
| USB                         | USB2.0 x 6  |
| PS/2 Port                   | Keyboard x 1, Mouse x 1   |
| Digital I/O                 | Supports 8-bit Digital I/O (Programmable)                               |
| Audio                       | Line-in/ Line-out/ CD-in & MIC-in                                       |
| Touch Screen                | Supports 4/5-wire resistive touch screen                                |

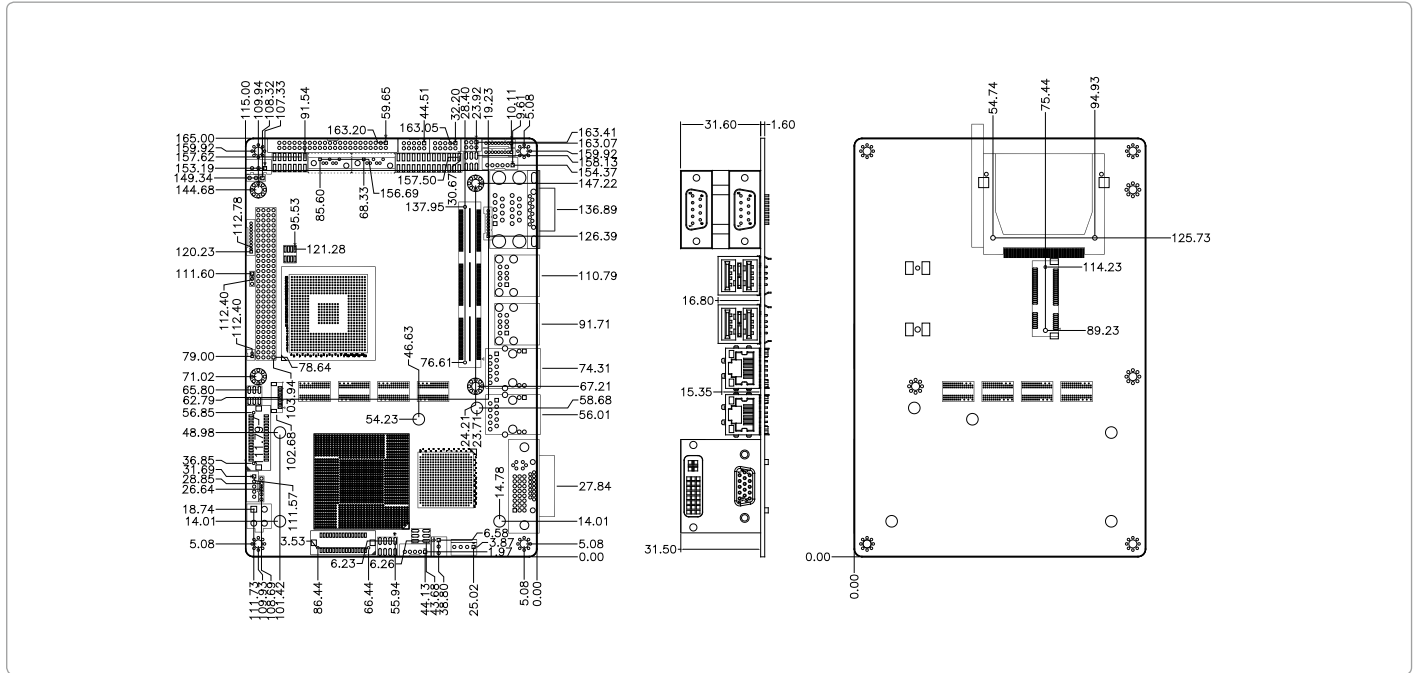


## Packing List

- **9681945700**  
Cable Kit
  - 1709070500 SATA Cable
  - 1700060152 Keyboard/Mouse Cable
- **9657666600**  
Jumper Cap
- **Product CD**
- **EPIC-9457 Rev. B With Heatsink**

# EPIC-9457 Rev. B

## Dimension Unit: mm



## Ordering Information

| Part Number   | CPU               | Fan/Fanless | Display                  | LVDS     | Storage                                  | LAN     | USB | RS-232 | RS-232/422/485 | Expansion Slot               | Power        | Temp       |
|---------------|-------------------|-------------|--------------------------|----------|--|---------|-----|--------|----------------|------------------------------|--------------|------------|
| EPIC-9457-B20 | Intel® Atom™ N270 | Fanless     | CRT + LVDS<br>DVI + LVDS | 24b, 2CH | SATA x 2<br>IDE x 1<br>CompactFlash™ x 1 | GbE x 2 | 6   | 3      | 1              | PCI-104 x 1<br>Mini Card x 1 | +8.5V ~ +19V | 0°C ~ 60°C |

## Optional Accessories

- **1702040151**  
Power Cable, Big 4P to ATX-12V, Length 15cm
- **1701090150**  
COM Port Cable, Length 15cm
- **1709140181**  
Audio Cable, Length 18cm
- **1702150152**  
SATA Power Cable, Length 15cm
- **1709070500**  
SATA Cable, Length 50cm
- **1701440500**  
IDE Cable, Length 50cm
- **1701260152**  
Keyboard/ Mouse Cable