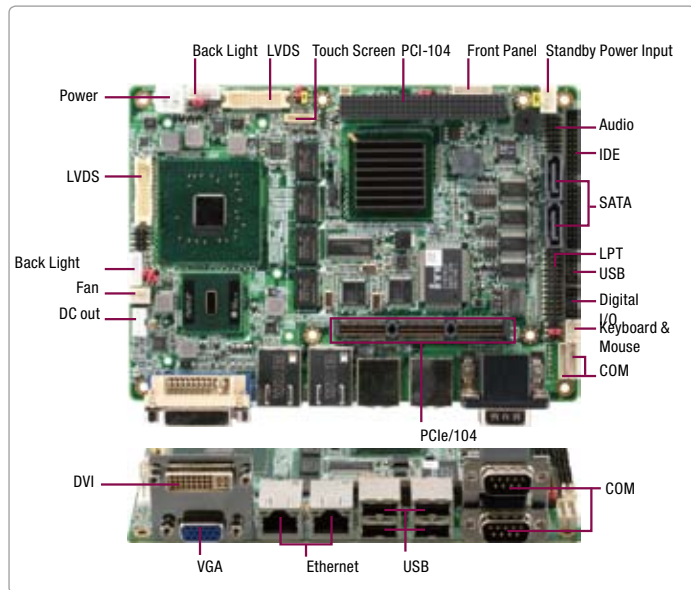


EPIC-9457 Rev. B

EPIC Board With Onboard Intel® Atom™ N270 Processor



Features

- Intel® Atom™ N270 1.6 GHz Processor
- Intel® 945GME + ICH7M
- Onboard DDR2 400/533 Memory 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-Express, Mini Card Expansion Interfaces
- +8.5V DC ~ 19V DC
- Optional RAID 0 & 1

Specifications

System	
Form Factor	EPIC Express Board
Processor	Intel® Atom™ N270 1.6 GHz Processor
System Memory	Onboard DDR2 400/533, 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-Express (PCI-104+PCIe/104), Mini Card connector
Battery	Lithium battery
Power Requirement	+8.5~19V
Power Consumption (Typical)	Intel® Atom™ N270 1.6 GHz, DDR2 1GB 1.7A @12V
Board Size	4.5" x 6.5"(115mm x 165mm)
Gross Weight	1.1 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 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
Universal Serial Bus	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 4/5/8-wire resistive touch screen



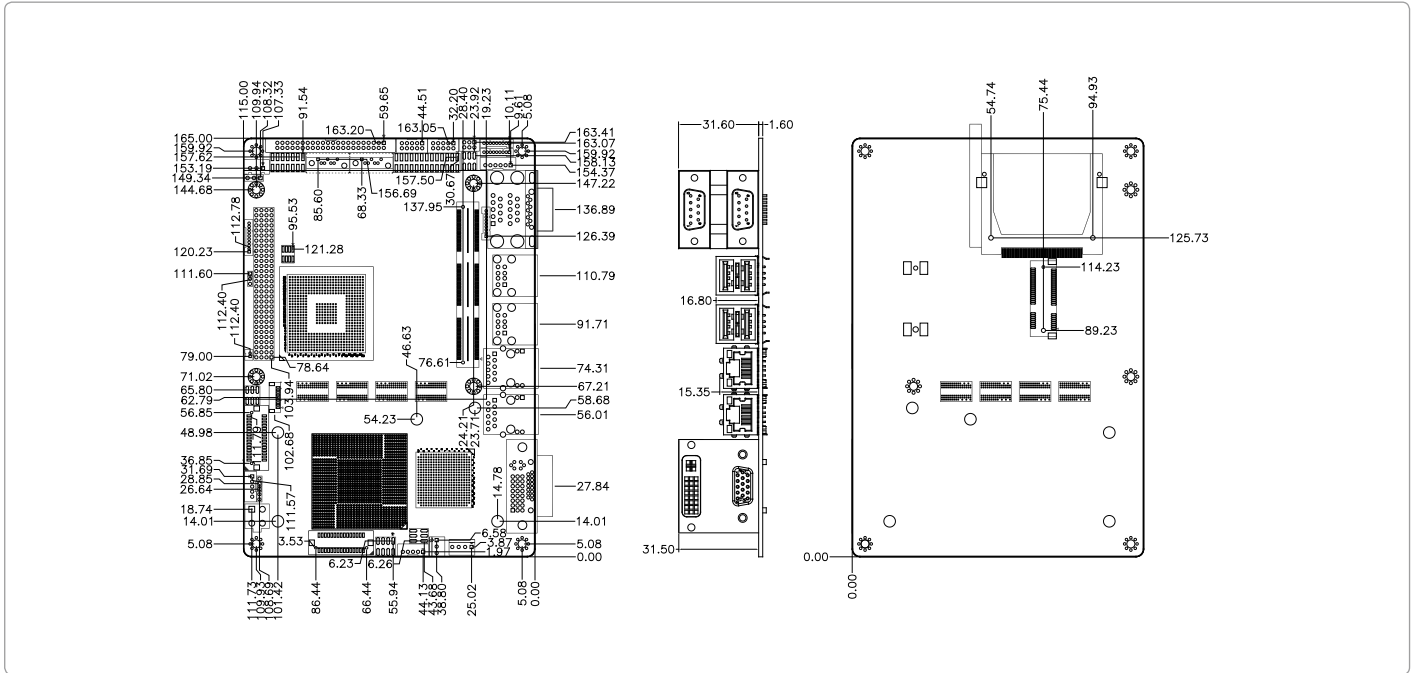
Packing List

- **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
TF-EPIC-9457-B10	Intel® Atom™ N270	Fanless	CRT + LVDS DVI + LVDS	24b, 2CH	SATA x 2 IDE x 1 CompactFlash™ x 1	GbE x 2	6	3	1	PCI/104-Express x 1 Mini Card x 1	DC12V	0°C – 60°C
TF-EPIC-9457W1-B10	Intel® Atom™ N270	Fanless	CRT + LVDS DVI + LVDS	24b, 2CH	SATA x 2 IDE x 1 CompactFlash™ x 1	GbE x 2	6	3	1	PCI/104-Express x 1 Mini Card x 1	DC12V	WITAS 1 (-20°C – 70°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