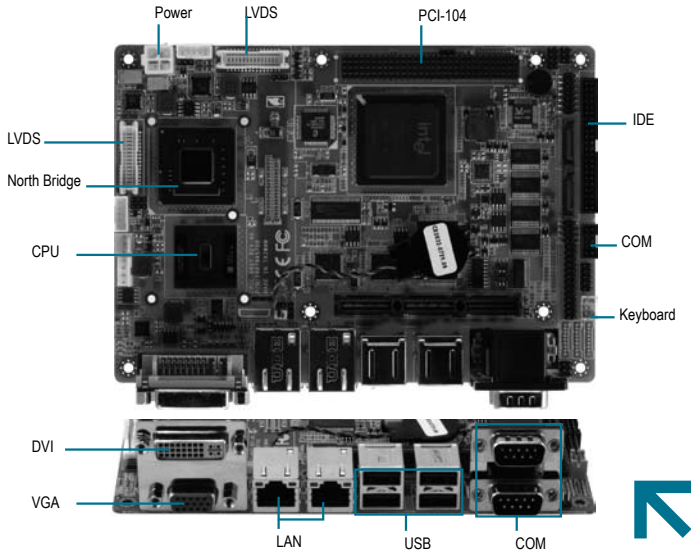


EPIC-9457

EPIC Board with Onboard Intel® Atom™ N270 Processor



Features

- Onboard Intel® Atom™ N270 Processor
- Intel® 945GSE + ICH7M
- DDRII 400/533 Memory, Max. 2GB
- Gigabit Ethernet x 2
- CRT, DVI or 24-bit Dual-channel LVDS LCD, TV
- AC97 2.3 Codec Audio
- USB2.0 x 6, COM x 4, 8-bit Digital I/O
- EIDE x 1, SATA x 2, CompactFlash™ x 1
- PCI-104 Express Expansion Connectors
- Wide DC Voltage Input: 8.5V ~ 19V
- Touch Screen Controller (Optional)



Specifications

System	
Form Factor	EPIC Express Board
Processor	Onboard Intel® Atom™ N270 Processor 1.6GHz, FSB: 533/667MHz
System Memory	200-pin DDRII SODIMM x1, Max. 2GB (DDRII 400/533)
Chipset	Intel® 945GSE + ICH7M
I/O Chipset	ITE8781
Ethernet	Intel® 82574L for 10/100/1000Base-TX, RJ-45 x 2
BIOS	Award Plug & Play SPI BIOS - 2MB ROM
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Expansion Interface	PCI/104 Express Expansion (PCI-104 + PCIe/104) connectors
Battery	Lithium battery
Power Requirement	+8.5V ~ 19V
Power Consumption (Typical)	Intel® Atom™ N270 1.6GHz, DDRII 2GB 1.6A@12V, 0.4A@5V
Board Size	4.5" x 6.5" (115mm x 165mm)
Gross Weight	1.1 lb (0.5KG)
Operation Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	60,000
Display	
Chipset	Intel® 945GSE integrated
Memory	Shared system memory up to 224MB with DVMT3.0
Resolutions	Up to 1920 x 1440 for CRT, Up to 1600 x 1200 for LCD
LCD Interface	24-bit dual-channel LVDS
TV-out	Supports NTSC & PAL Standard S-terminal and Composite video
DVI	DVI-I x 1
I/O	
Storage	EIDE x1 (UDMA-100 for two devices), SATA 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+Mouse x 1
Digital I/O	Supports 8-bit (programmable)
Audio	Line-in, Line-out, Mic-in & CD-in
Touch Screen	Optional

Packing List

- **9681945700**
Cable Kit
1709070500 SATA Cable
1700060152 KB/Mouse Cable
- **9657666600**
Jumper Cap
- **Quick Installation Guide**
- **Utility CD**
- **EPIC-9457 w/Heatsink**

Ordering Information

- **TF-EPIC-9457-A10**
EPIC, Intel® Atom™ N270 1.6GHz, DVI-18-bit LVDS, DDR II, Gigabit Ethernet, Audio, 4 COM, 6 USB2.0, CompactFlash™, PCI-104, Rev. A1.0
- **TF-EPIC-9457-A10-01**
EPIC, Intel® Atom™ N270 1.6GHz, 24-bit LVDS, DDR II, Gigabit Ethernet, Audio, 4 COM, 6 USB2.0, CompactFlash™, PCI-104, Rev. A1.0
- **TF-EPIC-9457-A10-02**
EPIC, Intel® Atom™ N270 1.6GHz, 24-bit LVDS, DDR II, Gigabit Ethernet, Audio, 4 COM, 6 USB2.0, CompactFlash™, PCI/104-Express, Rev. A1.0
- **TF-EPIC-9457-A10-03**
EPIC, Intel® Atom™ N270 1.6GHz, DVI-18-bit LVDS, DDR II, Gigabit Ethernet, Audio, 4 COM, 6 USB2.0, CompactFlash™, PCI/104-Express, Rev. A1.0

Optional Accessories

- **1702040151**
Power Cable, Big 4P to ATX-12V, Length 15cm
- **1709100201**
USB cable, length 20cm
- **1701090150**
COM Port Cable, D-sub 9, 9P 1.25mm, 15cm
- **1700140510**
Audio Cable, RCA Jack, Length 51cm
- **1700080180**
TV-out Cable, Length 18cm
- **1702150152**
SATA Power Cable, Length 15cm
- **1701150201**
Flat cable, 15P D-sub 10P 2.0mm, 20cm, for Digital I/O
- **1709070500**
SATA Cable, 7P 1.25mm, 10cm
- **1701440500**
Flat Cable 2.0mm Pitch Housing, 40P 2.54mm, 30+20cm (3.5" HDD)
- **1701440350**
Flat Cable, for 2.5" HDD
- **1702040109**
Power Output Cable, Length 10cm
- **1701260308**
LPT Cable, Length 30cm