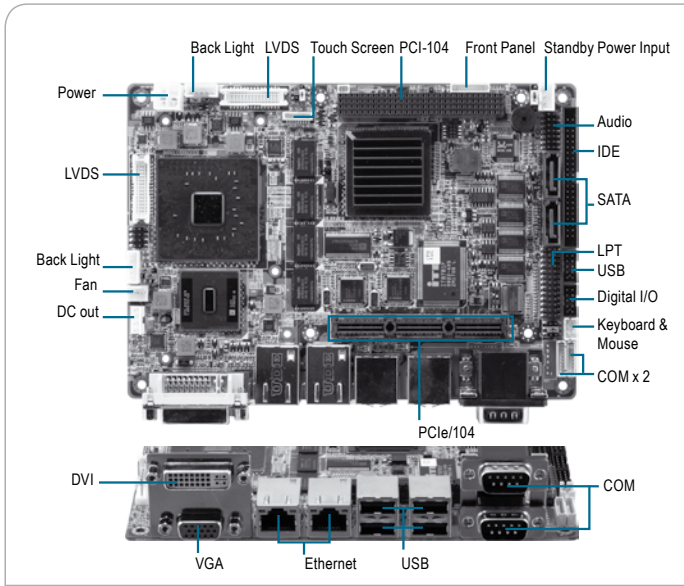


EPIC-9457W1

EPIC Board with Onboard Intel® Atom™ N270 Processor



Features

- Onboard Intel® Atom™ N270 Processor
- Intel® 945GSE + ICH7M
- DDR2 400/533 Memory, Max. 2 GB
- Gigabit Ethernet x 2
- CRT, DVI or 24-bit Dual-channel LVDS LCD
- AC97 2.3 Codec Audio
- USB2.0 x 6, COM x 4, 8-bit Digital I/O
- EIDE x 1, SATA 1.5Gb/s x 2, CompactFlash™ x 1
- PCI/104-Express Expansion Connectors
- Wide DC Voltage Input: 12V ~ 19V
- Touch Screen Controller (Optional)
- Operating Temperature: -20°C ~ 70°C



Specifications

System	
Form Factor	EPIC Express Board
Processor	Onboard Intel® Atom™ N270 Processor 1.6 GHz, FSB: 533/667 MHz
System Memory	200-pin DDR2 SODIMM x1, Max. 2 GB (DDR2 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 - 2 MB 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	+12V ~ 19V
Power Consumption (Typical)	Intel® Atom™ N270 1.6 GHz, DDR2 2 GB 1.6A@12V, 0.4A@5V
Board Size	4.5" x 6.5" (115mm x 165mm)
Gross Weight	1.1 lb (0.5 Kg)
Operating Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	60,000
Display	
Supports CRT/LCD simultaneous/ dual view displays	
Chipset	Intel® 945GSE integrated
Memory	Shared system memory up to 224 MB 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
DVI	DVI-I x 1
I/O	
Storage	EIDE x1 (UDMA-100 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+Mouse x 1
Digital I/O	Supports 8-bit (programmable)
Audio	Line-in, Line-out, Mic-in & CD-in
Touch Screen	Supports 4/5/8-wire resistive touch screen

Packing List

- **9681945700**
Cable Kit
1709070500 SATA Cable
1700060152 KB/Mouse Cable
- **9657666600**
Jumper Cap
- **Quick Installation Guide**
- **Product CD**
- **EPIC-9457W1 with Heatsink**

Ordering Information

- **TF-EPIC-9457W1-A10 (Fanless)**
EPIC, Intel® Atom™ N270 1.6 GHz, DVI, 18-bit LVDS, DDR2, Gigabit Ethernet, Audio, 4 COM, 6 USB2.0, CompactFlash™, PCI-104, Rev. A1.0, WITAS 1
- **TF-EPIC-9457W1-A10-01 (Fanless)**
EPIC, Intel® Atom™ N270 1.6 GHz, 24-bit LVDS, DDR2, Gigabit Ethernet, Audio, 4 COM, 6 USB2.0, CompactFlash™, PCI-104, Rev. A1.0, WITAS 1

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
- **1702150152**
SATA Power Cable, Length 15cm
- **1709070500**
SATA Cable, 50cm
- **1701440500**
IDE Cable for 3.5" HDD
- **1701440350**
IDE Cable, for 2.5" HDD
- **1702040109**
Power Output Cable, Length 10cm
- **1701260308**
LPT Cable, Length 30cm