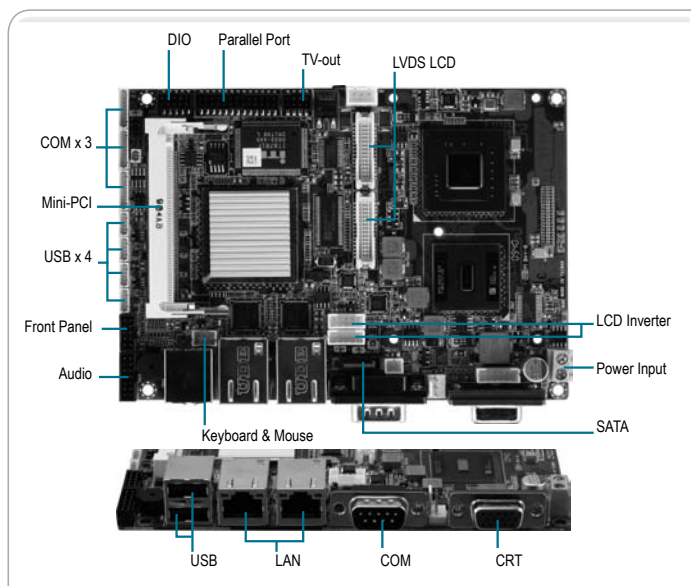


GENE-9455 Rev. B (GENE-9315)

■ 3.5" SubCompact Board With Onboard Intel® Atom™ N270 Processor



Specifications

System	
Form Factor	3.5"
Processor	Onboard Intel® Atom™ N270 Processor 1.6 GHz, FSB 533 MHz
System Memory	200 pin DDRII SODIMM x 1, Max. 2 GB (DDRII 400/533)
Chipset	Intel® 945GSE + ICH7M
I/O Chipset	ITE8781
Ethernet	Intel® 82574L, 10/100/1000Base-TX, RJ-45 x 2
BIOS	Award Plug & Play SPI BIOS - 2 MB Flash
Wake on LAN	Yes
Watchdog Timer	Generate a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Expansion Interface	Mini-PCI x 1, Mini Card x 1
Trusted Platform Module (TPM)	Infineon SLB 9635 TT 1.2 (Optional)
Battery	Lithium battery
Power Requirement	+12V, AT/ATX
Power Consumption (Typical)	Intel® Atom™ N270, DDRII 667 2 GB 1.55A@+12V
Board Size	5.75"(L) x 4"(W) (146mm x 101.6mm)
Gross Weight	0.88lb (0.4kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	70,000
Display	
Chipset	Intel® 945GSE integrated
Memory	Shared system memory up to 224 MB/DVMT 3.0
Resolutions	Up to 1920 x 1440 for CRT / Up to 1920 x 1200 for LCD
LCD Interface	Dual LVDS LCDs: 18-bit Dual-Channel LVDS LCD + 24-bit Dual-Channel LVDS LCD
TV-out	Supports NTSC & PAL Standards S-Terminal and Composite Video
I/O	
Storage	SATA I x 1, Type II CompactFlash™ x 1
Serial Port	RS-232 x 3, RS-232/422/485(auto flow) x 1
Parallel Port	SPP/EPP/ECP x 1
Universal Serial Bus	USB 2.0 x 6
PS/2 Port	Keyboard x 1, Mouse x 1
Digital I/O	Supports 8-bit (Programmable)
Audio	Mic-in, Line-in, Line-out, CD-in

Features

- Onboard Intel® Atom™ N270 Processor With 1.6 GHz
- Intel® 945GSE + ICH7M
- SODIMM DDRII 400/533, Max. 2 GB
- Gigabit Ethernet x 2
- CRT, Dual LVDS LCDs: 18-bit Dual-Channel LVDS LCD + 24-bit Dual-Channel LVDS LCD, TV
- AC97 2.3 Codec 2CH Audio
- SATA I x 1, CompactFlash™ x 1
- USB 2.0 x 6, COM x 4, Parallel x 1, 8-bit Digital I/O
- Mini-PCI x 1, Mini Card x 1
- +12V Only Operation
- Onboard Trusted Platform Module (Optional)



Packing List

- 1700060157
KB/Mouse Cable
- 9657666600
Jumper Cap
- Heatsink
- Quick Installation Guide
- Utility CD
- GENE-9455 Rev. B (GENE-9315)

Ordering Information

- TF-GENE-9455-B10 (Fanless) (TF-GENE-9315-A10)
3.5" Board, Intel® Atom™ N270, DDRII, 24-bit LVDS, 2 Gigabit Ethernet, 4 COM, 1 LPT, USB2.0, CompactFlash™, Mini-PCI, Mini-Card, Rev. A1.0

Optional Accessories

- 1700050207
USB Cable, Length 20cm
- 1701090150
COM Port Cable, Length 15cm
- 1701260200
Parallel Port Cable, Length 20cm
- 1700080180
TV-out Cable, Length 18cm
- 1709070500
SATA Cable, Length 50cm
- 1709140181
Audio Cable, Length 18cm
- 1702002010
Big 4P Power Input Cable, Length 10cm
- 170220020B
Conversion Cable for ATX Power Supply, Length 20cm
- 1702150155
Power Cable for 2.5" SATA Hard Disk, Length 15cm