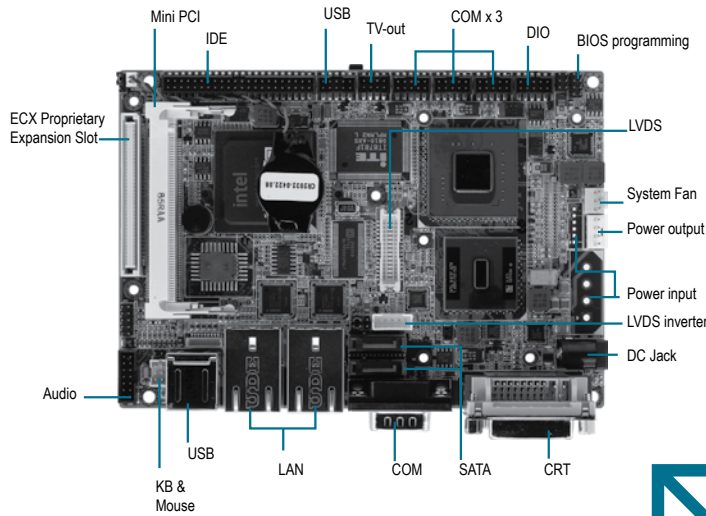


# GENE-9455

## 3.5" SubCompact Board with Onboard Intel® Atom™ N270 Processor



### Features

- Onboard Intel® Atom™ N270 Processor
- Intel® 945GSE + ICH7-M
- DDRII 400/533 Memory, Max. 2GB
- Gigabit Ethernet x 2
- CRT or DVI/ 18-bit Dual-channel LVDS/ TV
- AC97 2.3 Codec 2.1CH Audio
- SATA II x 2, EIDE x 1 & CompactFlash™
- USB2.0 x 4, COM x 4, 8-bit DIO
- Mini PCI and ECX Proprietary Expansion
- Wide DC Input Range, +8.5V to +19V or +5V Only Operation
- Optional: Touch Screen Controller



### Specifications

System	
Form Factor	3.5"
Processor	Onboard Intel® Atom™ N270 Processor 1.6GHz, FSB 533MHz
System Memory	200-pin DDRII SODIMM x1, Max. 2GB (DDRII 400/533)
Chipset	Intel® 945GSE + ICH7-M
I/O Chipset	ITE8781
Ethernet	Intel™ 82574L, 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	Mini PCI & ECX Proprietary Expansion
Battery	Lithium battery
Power Requirement	Wide DC Input Range, +8.5V to +19V or 5V (Configured by Manufacturer)
Power Consumption (Typical)	—
Board Size	5.75" (L) x 4" (W) (146mm x 101.6mm)
Gross Weight	0.88 lb (0.4 kg)
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)	—
Display	
Chipset	Intel® 945GSE integrated
Memory	Shared system memory up to 224MB/ DVMT3.0
Resolutions	Up to 2048 x 1536 @ 32bpp colors for CRT Up to 1600 x 1200 @ 18bpp colors for LCD
LCD Interface	18-bit dual-channel LVDS
TV-out	Supports NTSC & PAL Standard S-terminal and Composite video
DVI (optional)	DVI-D x 1
I/O	
Storage	EIDE x 1 (UDMA-100 for two devices), SATA II x 2, Type II CompactFlash™ x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
USB	USB2.0 x 4
PS/2 Port	Keyboard + Mouse x 1
Digital I/O	Supports 8-bit (Programmable)
Audio	Line-in, Line-out, Mic-in & CD-in

### Packing List

- 1701440500  
IDE Cable
- 1700060152  
KB/Mouse Cable
- 9657666600  
Jumper Cap
- Quick Installation Guide
- Utility CD
- GENE-9455

### Ordering Information

- TBD

### Optional Accessories

- 1702200205  
(TF)Power Cable, 20P ATX(M), 4P 5.08mm Housing(F), +6P 2.0mm Housing, 20cm
- 1709100201  
(TF)USB Cable, 20cm 2.0mm, w/Bracket
- 1701100206  
(TF)Flat Cable, 9P DB-SUB Male, 10P 2.00mm Pitch Housing, 20cm
- 1700140510  
(TF)CABLE, 4P/2.54 HOUSING RCA JACK x 3, 14P/2.0 HOUSING, 51cm, for AUDIO I/O
- TF-PER-T061-A10  
ECX Expansion Board, LVDS, SATA, COM, USB, Rev.A1.0
- TF-PER-T061-A10-01  
ECX Expansion Board, DVI, SATA, COM, USB, Rev.A 1.0
- TF-PER-T099-A10  
ECX Extension Board, LVDS, PCI-Express, 2COM, Rev. A1.0
- TF-PER-T099-A10-01  
ECX Extension Board, LVDS, Mini Card, 2COM, Rev. A1.0
- TF-PER-T099-A10-02  
ECX Extension Board, DVI, PCI-Express, 2COM, Rev. A1.0
- TF-PER-T099-A10-03  
ECX Extension Board, DVI, Mini Card, 2COM, Rev. A1.0