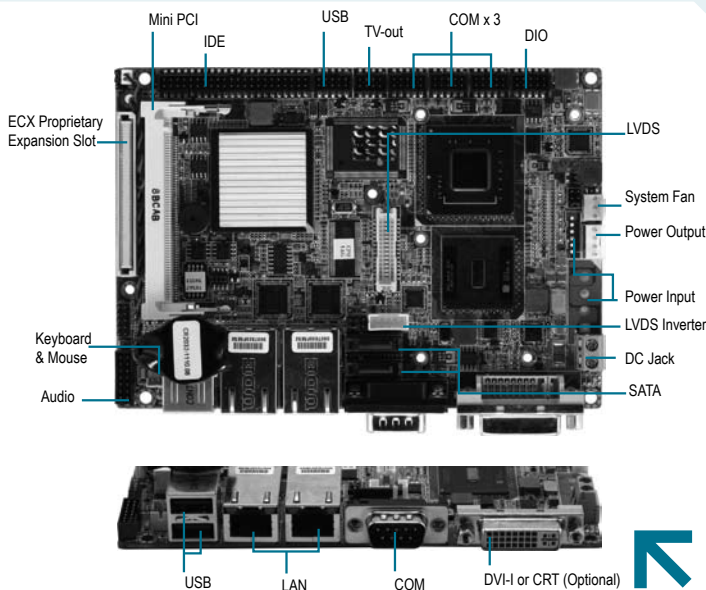


GENE-9455

3.5" SubCompact 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 or DVI, 18-bit Dual-channel LVDS LCD, TV
- AC97 2.3 Codec 2CH Audio
- SATA II x 2, EIDE x 1 & CompactFlash™ x 1
- USB2.0 x 4, COM x 4, 8-bit Digital I/O
- Mini PCI and ECX Proprietary Expansion
- +8.5V to +19V Wide DC Input Range or +5V Only Operation
- 4/5/8-wire Touch Screen Controller (Optional)



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 + ICH7M
I/O Chipset	ITE8781
Ethernet	Intel® 82574L, 10/100/1000Base-TX, RJ-45 x 2
BIOS	Award Plug & Play SPI BIOS - 2MB Flash
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 x 1 & ECX Proprietary Expansion x 1
Battery	Lithium battery
Power Requirement	+8.5V to +19V Wide DC Input Range (AT) only or +5V only (AT/ATX)
Power Consumption (Typical)	Intel® Atom™ N270, DDRII 667 2GB 2.89A@+5V,
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)	70,000
Display	
Supports CRT/LCD simultaneous/ dual view displays	
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	Up to 18-bit dual-channel LVDS
TV-out	Supports NTSC & PAL Standard S-terminal and Composite video
DVI (optional)	DVI-I 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
Touch Screen (optional)	Supports 4/5/8-wire

Packing List

- 9681945600
Cable kit
1701440500 IDE Cable
1700060152 KB/Mouse Cable
- 9657666600
Jumper Cap
- Quick Installation Guide
- Utility CD
- GENE-9455

Ordering Information

- **TF-GENE-9455-A10 (With fan)**
3.5" Board, N270, DVI-I, DDRII, 2GbE, 4COM, USB2.0, CompactFlash™, Mini-PCI, ECX Expansion, Wide DC, AT, w/Fan, Rev.A1.0
- **TF-GENE-9455-A10-01 (With fan)**
3.5" Board, N270, DVI-I, DDRII, 2GbE, 4COM, USB2.0, CompactFlash™, Mini-PCI, ECX Expansion, 5V DC, AT/ATX, w/Fan, Rev.A1.0
- **TF-GENE-9455-A10-02 (With fan)**
3.5" Board, N270, VGA, DDRII, 2GbE, 4COM, USB2.0, Touch Screen, CompactFlash™, Mini-PCI, ECX Expansion, Wide DC, AT, w/Fan, Rev.A1.0
- **TF-GENE-9455-A10-03 (With fan)**
3.5" Board, N270, VGA, DDRII, 2GbE, 4COM, USB2.0, Touch Screen, CompactFlash™, Mini-PCI, ECX Expansion, 5V DC, AT/ATX, w/Fan, Rev.A1.0
- **TF-GENE-9455-A10-04 (Fanless)**
3.5" Board, N270, DVI-I, DDRII, 2GbE, 4COM, USB2.0, CompactFlash™, Mini-PCI, ECX Expansion, Wide DC, AT, w/30mm Height Heatsink, Rev.A1.0
- **TF-GENE-9455-A10-05 (Fanless)**
3.5" Board, N270, DVI-I, DDRII, 2GbE, 4COM, USB2.0, CompactFlash™, Mini-PCI, ECX Expansion, 5V DC, AT/ATX, w/30mm Height Heatsink, Rev.A1.0
- **TF-GENE-9455-A10-06 (Fanless)**
3.5" Board, N270, VGA, DDRII, 2GbE, 4COM, USB2.0, Touch Screen, CompactFlash™, Mini-PCI, ECX Expansion, Wide DC, AT, w/30mm Height Heatsink, Rev.A1.0
- **TF-GENE-9455-A10-07 (Fanless)**
3.5" Board, N270, VGA, DDRII, 2GbE, 4COM, USB2.0, Touch Screen, CompactFlash™, Mini-PCI, ECX Expansion, 5V DC, AT/ATX, w/30mm Height Heatsink, Rev.A1.0

Optional Accessories

- 1709100201
USB Cable w/Bracket, Length 20cm
- 1701100206
COM Port Cable, Length 20cm
- 1700140510
Audio Cable, Length 20cm
- 1700080180
TV-Out Cable, Length 18cm
- 1709070500
SATA Cable, Length 50cm
- 1702151200
SATA Power Cable, Length 12cm
- TF-PER-T061-A10
ECX Expansion Board, LVDS, 2SATA, 4COM, 1USB, Rev.A1.0
- 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