



### Features

- Onboard Intel® Atom™ N270 1.6 GHz CPU
- Intel® 945GSE / ICH7-M Chipset
- One 200-pin SODIMM socket supports up to 2 GB DDR2 400/533 MHz SDRAM
- Dual View, 2-CH LVDS, DVI, TV-out
- 5.1-CH Audio
- 2 Marvell 88E8053 Gigabit Ethernet
- 1 CF, 1 Mini PCIe Card
- 2 SATA, 2 COM, 6 USB, 16-bit GPIO

Atom™	Intel® 945GSE	Dual View	2 GbE	Mini PCIe
CF	2 SATA	2 COM	6 USB	16 GPIO

### Specifications

#### System

• CPU	Intel® Atom™ processor N270 1.6 GHz CPU
• FSB	533 / 667 MHz
• BIOS	Award 8 Mbit Flash BIOS
• System Chipset	Intel® 945GSE / ICH7-M
• I/O Chip	ITE 8712F
• System Memory	One 200-pin SODIMM socket supports up to 2 GB DDR2 400/533 MHz SDRAM
• SSD	One CompactFlash Type I/II socket
• Watch Dog Timer	Reset: 1~65535 sec./min and 1 min./step
• Expansion	1 x Mini PCIe Card

#### I/O

• MIO	1 x EIDE (Ultra DMA 100), 2 x SATA, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse
• USB	6 x USB 2.0 ports
• DIO	16-bit General Purpose I/O for DI and DO

#### Display

• Chipset	Intel® 945GSE Integrated
• Display Memory	Intel® DVM 3.0 Supports up to 224 MB Shared Video Memory
• Resolution	CRT mode: 2048 x 1536 @ 75 Hz LCD/Simultaneous mode (4:3): 1600 x 1200 @ 60 Hz
• Multiple Display	CRT + LVDS, CRT + TV-out, CRT + DVI
• LCD Interface	Dual-CH 18-bit LVDS/Optional Dual-CH 18/24 bit LVDS
• DVI	Chrontel CH7307 SDVO to DVI transmitter
• TV-out	Intel® 945GSE Integrated TV-out Interface Supports HDTV

#### Audio

• Chipset	Intel® ICH7-M
• AC97 Codec	Realtek ALC655 supports 5.1-CH Audio
• Audio Interface	Mic in, Line in, Line out

#### Ethernet

• LAN	Dual Marvell 88E8053 Gigabit Ethernet
• Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible

#### Mechanical & Environmental

• Power Requirement	+12 V, +5 Vsb (for ATX only)
• Power Type	Single Power AT / ATX
• Operating Temperature	0~60°C
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	5.7" x 4" (146 mm x 101 mm)
• Weight	0.44 lbs (0.2 kg)

### Ordering Information

- **ECM-945GSE**  
3.5" Intel® 945GSE Atom™ N270 Micro Module with VGA, 2-CH LVDS, 5.1-CH Audio, 2 Marvell Gigabit Ethernet, PCIe Mini Card, CF, 2 SATA, 2 COM, 6 USB & 16-bit GPIO
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4, 8 GB)
- **ACC-MEM-xx**  
Memory Series (xx = Capacity, Capacity Option: 256, 512 MB, 1, 2 GB)
- **E1704440300R**  
DVI cable 24P/1.91-20P/1.25 30cm