

# IM-945GSE-C

Intel® Atom™ solution for low power and high performance with DC power



## Features

- Ultra low power and fanless System
- Slim and thin client without noise
- Intel® Atom™ mobile processor
- Two SATA ports
- Hardware Video Decoder for MPEG2
- HyperThreading™ Support

## Specification

<b>Processor</b>	CPU	Intel® Atom™ Processor N270, 1.6GHz Single Core with HT
<b>System</b>	CPU Socket	On board (BGA 956)
	Front Side Bus	533 MHz
	Chipset	Intel® 945GSE+ICH7M
	BIOS	AMI 8bit, SPI
<b>System Memory</b>	Technology	Single channel DDR2 533/400 Mhz
	Max. Capacity	Up to 1 GB
<b>Display</b>	Socket	1 x 200-pin SODIMM
	Graphic Controller	Intel Integrated Graphics Media Accelerator 950
	LVDS	Supports Dual Channel 18-bit and 24-bit output Resolution: Up to 1600x1200(QXGA)
	DVI	Chrontel CH7307C SDVO DVI Transmitter Resolution: Up to 1920x1080 (QXGA)
	HDMI	NA
	Display port	NA
	Dual Display	DVI+VGA
<b>Ethernet</b>	Controller	LAN1: Intel® 82574L GbE LAN LAN2: NA
	Audio	Controller: Realtek® ALC888 HD audio codec (Mic-in, Line-in, Line-out)
<b>Super I/O</b>	Controller	Fintek® F7182FG
<b>HW Monitor</b>	Watchdog Timer	Programmable 1~255 sec/min, System reset
	Smart Fan	3 pin Linear FAN Control or 4 pin PWM FAN Control
<b>TPM</b>	Controller	NA
<b>I/O Interface</b>	USB	6 (USB 2.0 compliant)
	Serial	2 (1 x RS-232, 1 x RS-232/RS-422/RS-485)
	Parallel	1 (SPP/EPP/ECP)
	PS/2	NA
	GPIO	NA
	IEEE 1394	NA
	Expansion Slot	PCIe x 16
<b>Storage</b>	PCIe x 4	NA
	PCIe x 1	NA
	PCI	32-bit/33 MHz, 1 slot
	Mini-PCI	32-bit/33 MHz, 1 slot
	SATA	2 x SATA II, Max. transfer rate 3Gb/s (RAID 0, 1, 5)
<b>Power Requirement</b>	IDE	1 x IDE
	eSATA	NA
	CompactFlash	1
	Power Consumption	12W
<b>Power Source</b>	Power Adaptor	DC 12V , 65W (4-pin type)
	Power Supply	NA
<b>Environment</b>	Operating Temperature	0°C ~ 60°C (32 ~ 140 F)
	Storage Temperature	-20°C ~ 80°C (-4 ~ 158 F)
	Operating Humidity	5%~90% relative humidity, noncondensing
	Storage Humidity	5%~90% relative humidity, noncondensing
<b>Form Factor</b>	Dimensions	170 mm x 170 mm x 170 mm (6.69" x 6.69")
	Weight	0.37 Kg
<b>Regulatory Compliance</b>		CE, FCC Class B, BSMI, VCCI, C-Tick, RoHS compliant

## Ordering Information

Part Number	Description
919-9830-012	MS-9830 VER 11 OPT C INTELATOM N270, DC POWER IN

## Packing List

Part Number	Description	Quantity
K12-1080099-E06	ATA CABLE	1
E21-9830040-C22	IO SHIELD	1
G52-98302X3-Q13	USER MANUAL	1
G71-SEDC026-J24	DRIVER CD	1
K14-1018003-V03	COM PORT CABLE	1
K1D-1012007-V03	SATA CABLE	1

X86-based  
 RISC-based  
 3.5" Mainboard  
 Mini-ITX Mainboard  
 Micro-ATX Mainboard  
 PTCMG Mainboard