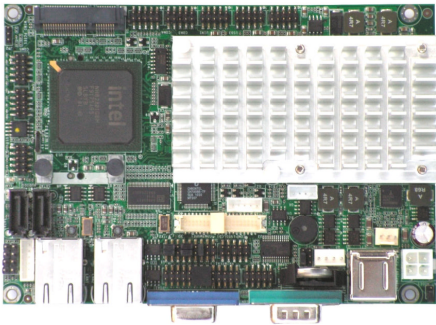


# SICA-1013G2V

Intel® ATOM N270 1.6GHZ Processor 945GSE  
Chipset Based 3.5" Embedded SBC with 6x USB  
2.0 /6x COM Ports/ VGA / Dual Gigabit LAN



## FEATURES

- Intel® ATOM N270 1.6GHZ Processor
- FSB 533/667, Micro-FCPGA478 Socket-M
- One DDR2 SO-DIMM Sockets for Dual Channel Mode 533/667 non-ECC memory up to 2.0 GB
- Dual Realtek® RT8111C on board for GbE LAN
- Intel® 945GSE Integrated GMA950 graphic engine
- RealTek® ALC888 High-Definition Audio chip on-board
- Multi I/O: 6 x USB2.0, 6 x COM ports, 2 x SATAs, 1x CF, 1x Mini-PCIE socket

## Introduction

SICA-1013G2V is a 3.5" Embedded Single board Computer supporting ATOM N270 1.6GHZ Processor. SICA-1013G2V comes with 6x Com Port, 6 x USB 2.0 and Dual GIGA LAN.

SICA-1013G2V is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

## Specification

System	
Processor	• Intel® ATOM N270 1.6GHZ Processor
BIOS	• Award Standard PnP Flash BIOS 6.0. • 8Mbit FlashROM with BootBlock for Fail-safe.
System Memory	• One DDR2 SO-DIMM Sockets for Dual Channel Mode 533/667 non-ECC memory up to 2.0 GB
Chipset	• Intel® 945GSE and ICH7M chipset
Video	• Intel® 945GSE Integrated GMA950 graphic engine. • One D-Sub Female connector for CRT displays. • One 40-pins connector for Dual 18/24-bits LVDS LCD. • One 4-pins connector to support TV-OUT
Ethernet	• Dual Realtek® RT8111C on board for GbE LAN
On Board I/O	• Winbond 83627HF LPC I/F Super I/O chip. • Six serial ports as COM1~COM6 • Six USB 2.0 ports support USB KB/MS and storage devices. • PS2 Keyboard and Mouse. • One 8-bits digital I/O port with configurable input
Watchdog Timer	• Programmable watchdog timer for 1~255 seconds.
CMOS	• On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	• RealTek ALC888 High-Definition Audio chip on-board. • Support Line-OUT, Line-IN, MIC, SPDIF, CD-IN and Surrounding sounds with pin-headers.
Power	• One ATX-12V 4-pins connector for CPU power. • Support both AT and ATX mode.
Cooling	• One CPU cooling FAN connector nearby CPU socket • One system cooling FAN connectors for chassis or power supply cooling.
Mechanical & Environment	
Dimension	• 145 (W) x 102 (L) mm
Operation temperature	• 0°C to 60°C (32° F to 140° F)
Storage temperature	• -20°C to 80°C (-68° F to 176° F)
Relative humidity	• 5% to 95% (Non-Condensing)
Vibration	• 5-17Hz 0.1" double amplitude displacement • 17-640Hz 1.5G Acceleration peak to peak
Shock	• 10G acceleration peak to peak (11ms)

## Ordering Information

SICA-1013G2V	Intel® ATOM N270 1.6GHZ Processor 945GME Chipset Based 3.5" Embedded Single Board Computer with 6 USB 2.0 / 6x COM Ports/ VGA / Dual Gigabit LAN
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