

# BIS-6670E

## Fanless Embedded Industrial Computer with Intel® Braswell SoC and Intel® Gen 8 graphics



The BIS-6670E is based on Intel® Braswell System on a Chip (SoC) 14nm BGA1170 Platform. It has high reliability, a small case, easy installation and maintenance advantages.

Braswell is Intel's® next generation SoC following the Baytrail product line. Braswell is a multicore SoC based on new microarchitecture and is manufacturing on Intel's® tri-gate 14nm process.

This platform offers enhanced graphics and media performance with up to 2x the graphics performance for fast video creation, editing and sharing, plus the ability for easy multi-tasking over multiple monitors.

The processors also increase security with Intel® Advanced Encryption Standard (AES) New Instructions (NI) and Secure Key.

Norco uses the unique ICEFIN™ cooling invention, an all aluminum case and a solid industrial-grade design.

BIS-6670E meets diverse industry demands with powerful expansion. It plays a perfect role in intelligent transportation, retail, POS, smart home, and other intelligent fields.

There are an unlimited number of applications this system is suitable for including energy control, digital signage, general warehouse control computer, industrial automation, science testing equipment and many more.

It can provide solutions for car PC, traffic control, communication system and finance device etc.

- Fanless design, all aluminum alloy, high reliability, small case, easy installation and maintenance
- Based on Intel® Braswell System on a Chip (SoC) 14nm BGA1170 Processor
- Supports 1x SO-DIMM, DDR3L 1066/1600MHz memory up to 8GB
- Supports Wifi, provides 1x SIM card socket to support 3G/4G mini-PCIe modules with USB2.0 interface
- Supports VGA, DVI, HDMI and LVDS, supports independent three-view display
- Supports 6x COM interfaces, 4x USB3.0, 2x USB2.0, 2x LAN

Items	Descriptions
Processor	Intel® Celeron® Processor N3160
Chipset	Intel® Braswell SoC Platform
System Memory	1x SO-DIMM, DDR3L 1066/1600MHz), Memory up to 8GB
HDD	1x 2.5" Drive Bay
Ethernet	2x RJ45 GbE LAN, 100Mbps/1000Mbps, Realtek RTL8111F-CG
Wireless	1x SIM card socket (supports 3G/4G mini-PCIe modules)
Storage	1x SATA 6Gb/s 2.5" Drive Bay, 1x mSATA via mini-PCIe (optional)
Expansion	1x mini-PCIe
Cooling System	Fanless, ICEFIN™ Design
Power Supply	DC 12V
Graphic Controller	Intel® Integrated HD Video with Gen 8 Graphics
System Control	Power switch

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Items	Descriptions
Display Interface	1x VGA, 1x HDMI, 1x DVI, supports Independent three-view Display
Serial Ports	6x COM
USB	4x USB3.0, 2x USB2.0
Digital I/O	8x GPIO
Audio	Line-out, MIC-in
PS/2 interface	Standard PS/2 interface
LED/Control	1x Power Indicator, 1x HDD Indicator
Box Texture	All aluminum alloy
Box Structure	ICEFIN™ case
Mounting Option	Wall mounting or Desktop
Color	Black/Silver
Operating Temperature	0°~60°C (optional -20°~70°C)
Storage Temperature	-40°C~80°C
Humidity	5%~95%, no condensing
Vibration	0.5g rms, 5-500Hz, random operating
EMC	CE/FCC Class B
Dimensions (WxDxH)	190 x 150 x 62,2 mm

