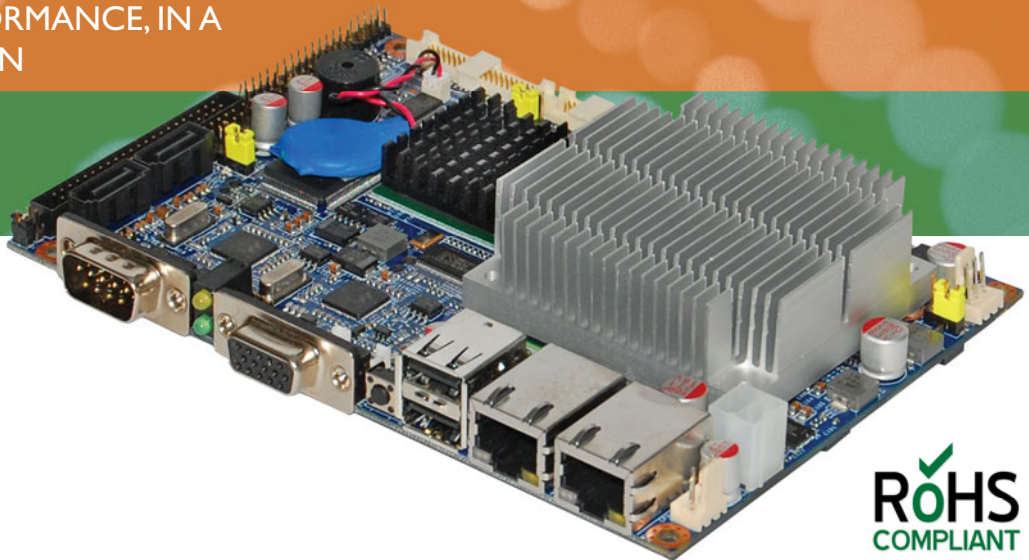


# 945GSBC™

## LOW POWER 3.5" SBC ALL-IN-ONE SINGLE BOARD COMPUTER

LOW POWER, HIGH PERFORMANCE, IN A  
COMPACT FLEXIBLE DESIGN



### PRODUCT HIGHLIGHTS

- 3.5" Form Factor (5.7"x4")
- Intel® 945GSE / ICH7-M Chipset
- Intel® Atom® N270 1.6GHz CPU
- (2) Serial ATA, (6) USB, (1) EIDE (Ultra DMA 100), (2) Gb Ethernet
- DualView, 2-CH LVDS, DVI, TV out
- (1) Compact Flash
- (1) Mini-PCIe Card
- Up to 2GB DDR2 400/533 memory in (1) 200-pin SODIMM socket
- Seven (7) to Ten (10) Year Guaranteed Production

### The 945GSBC™

is a low-power, small form factor, high performance, durable PC utilizing the new Intel® ATOM® Processor. Ideally designed for low power/high performance applications in Medical, Military/Defense, Security/Surveillance, Oil and Gas, Factory Automation, and Mobile Devices. It is also extremely well suited for digital signage applications in particular where the computer may provide video for two public monitors simultaneously.

### APPLICATIONS

- Medical
- Point of Sale
- Digital Displays
- Defense
- Touch Screen Displays
- Mobile Systems
- Embedded Systems
- Military
- Automotive
- Aerospace

The 945GSBC is powered by an Intel Atom processor, allowing high performance with low power consumption. The Intel 945 chipset provides a 533MHz front side bus, support for 2GB of DDR2 400/533 memory via one SODIMM slot, dual video output, Mini-PCIe expansion, Serial ATA (150MB/s), RS232, RS232/422/485, EIDE hard drive pins, and a compact flash Type I/II socket. Dual on-board Gigabit ethernet finish out this tiny PC, providing top speed networking in addition to the already impressive graphics, processing, and connectivity capabilities.



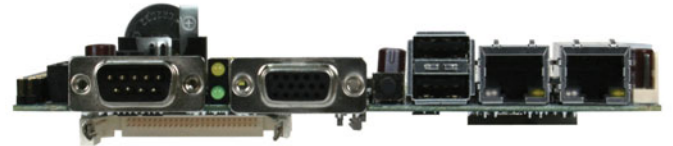
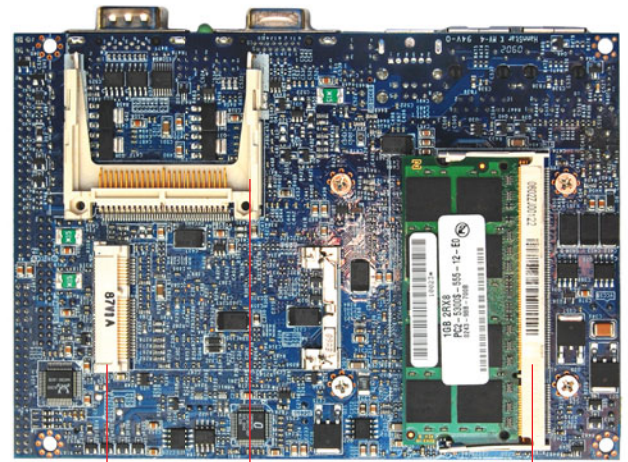
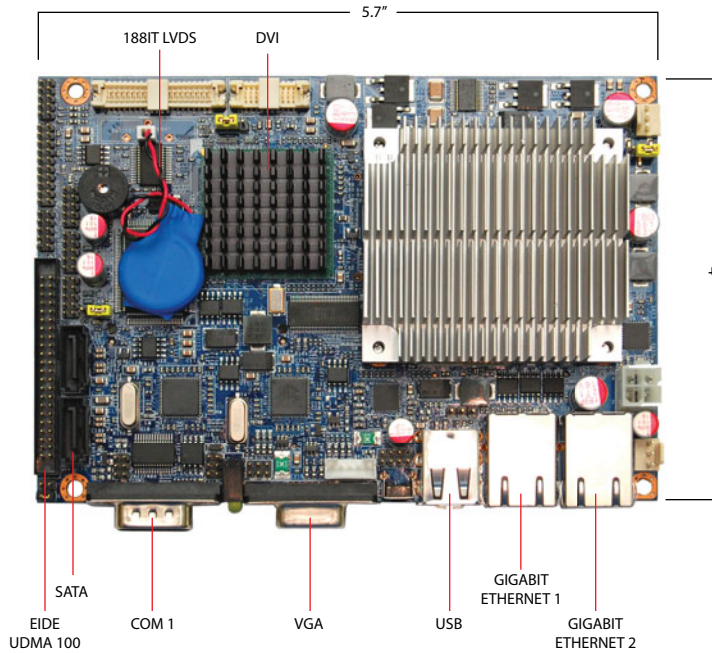
### OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2008 environment and backed by a seven (7) to ten (10) year production life cycle guarantee.



# 945GSBC™

## LOW POWER 3.5" SBC ALL-IN-ONE SINGLE BOARD COMPUTER



### TECHNICAL SPECIFICATIONS

**Form Factor** SBC

**Dimensions** 5.7" x 4" (146 mm x 101 mm)

**Microprocessor** Intel® Atom® N270 1.6 GHz CPU

**Chipset** Intel® 945GSE / ICH7-M

**Front Side Bus** 533MHz

**Memory** One 200-pin SODIMM socket supports up to 2 GB DDR2 400/533 MHz SDRAM

**System Bus** One (1) Mini PCIe Card  
One (1) CompactFlash Type I/II socket

**Onboard I/O** ITE 8712F IO Chip:  
One (1) EIDE (Ultra DMA 100)  
Two (2) SATA  
One (1) RS-232  
One (1) RS-232/422/485  
One (1) K/B & Mouse  
Six (6) USB 2.0 ports,  
16-bit General Purpose I/O for DI and DO  
Single Power AT / ATX, +12V, +5Vsb  
(for ATX only)

**Video Graphics** Intel 945GSE Integrated, Intel DVMT 3.0 Supports up to 224 MB Shared Video Memory, CRT mode: 2048 x 1536 @ 75 Hz LCD/Simultaneous mode (4:3): 1600 x 1200 @ 60 Hz, CRT + LVDS, CRT + TV-out, CRT +DVI

**Ethernet** Dual Marvell 88E8053 Gigabit Ethernet, 1000 Base-Tx Ethernet Compatible

**Audio** Intel ICH7-M, Realtek ALC655 supports 5.1-CH Audio, Mic in, Line in, Line out

**Industrial Devices** Hardware monitoring

**BIOS** Award® 8 Mbit Flash BIOS

**Battery** Removable lithium battery for CMOS memory

**Operating Temp** 0°C to 60°C

**Non-Operating** -40°C to 85°C

**Op. Humidity** 0 to 90% @ 40°C non-condensing

**Non-Operating** 0 to 90% @ 40°C non-condensing

**Part Number** G2735

**CORVALENT™**  
AT THE CORE OF EMBEDDED COMPUTING

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