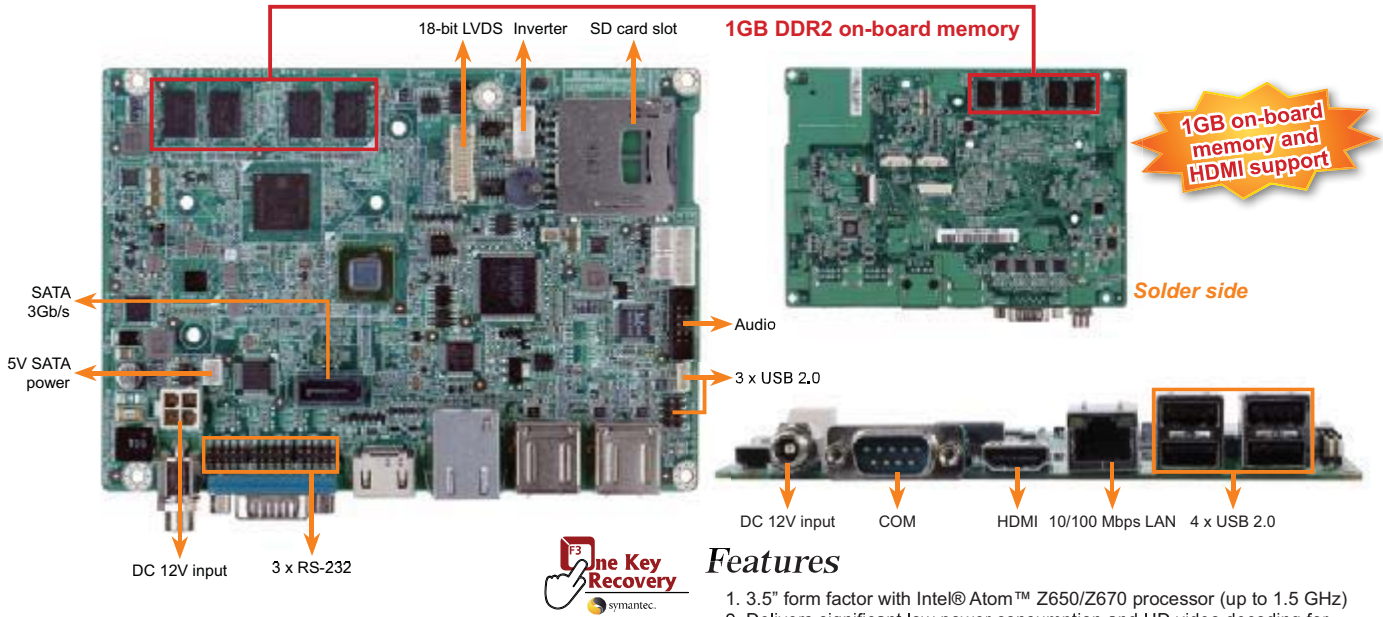


# KXWAFER-OT-Z670 Z650

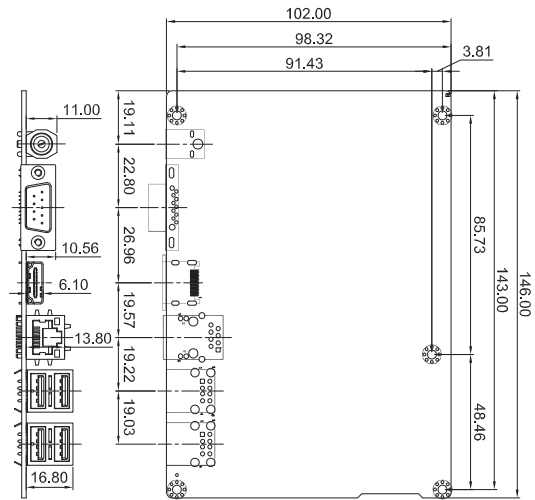
3.5" SBC with Intel® Atom™ Z650/Z670 Processor, 1GB DDR2 Memory on Board, HDMI/LVDS, 10/100 Mbps LAN, USB 2.0, SATA 3Gb/s, Audio and RoHS



## Features

- 3.5" form factor with Intel® Atom™ Z650/Z670 processor (up to 1.5 GHz)
- Delivers significant low power consumption and HD video decoding for Windows® 7, WES 2011 and MeeGo OS
- On-board 800 MHz 1 GB DDR2 SDRAM
- Supports HDMI and 18-bit single-channel LVDS display output
- Complete I/O with seven USB ports, one SATA 3Gb/s connector, one SD slot, four COM ports and one audio connector
- One Key Recovery solution allows you to create rapid OS backup and recovery

## Dimensions (Unit: mm)



## Packing List

1 x KXWAFER-OT-Z650/Z670 single board computer	
1 x SATA with 5V output cable (P/N: 32801-000201-100-RS)	
3 x RS-232 cable (P/N: 32205-002700-100-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003000-200-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

## Ordering Information

Part No.	Description
KXWAFER-OT-Z670-R10	3.5" SBC with Intel® Atom™ Z670 1.5 GHz processor, on-board 1GB DDR2 memory, HDMI/LVDS, 10/100 Mbps LAN, USB 2.0, SATA 3Gb/s, Audio, RoHS
KXWAFER-OT-Z650-R10	3.5" SBC with Intel® Atom™ Z650 1.2 GHz processor, on-board 1GB DDR2 memory, HDMI/LVDS, 10/100 Mbps LAN, USB 2.0, SATA 3Gb/s, Audio, RoHS
63000-FSP036RAB608-RS	36W/12V power adaptor 90 ~ 264VAC
32000-120100-RS	Single USB port cable

- Industrial computing solutions
- Video Capture solutions
- Embedded computing solutions
- Automation Control
- ORing Network communication
- Power Supply peripherals
- Panel solutions production



## Specifications

- CPU**  
Intel® Atom™ Z650 processor 1.2GHz  
Intel® Atom™ Z670 processor 1.5GHz
- Chipset**  
Intel® SM35
- BIOS**  
AMI BIOS
- Memory**  
On-board 800 MHz 1 GB DDR2 SDRAM
- Graphics**  
Intel® GMA 600 with a 400MHz graphics core  
Supports MPEG2, H.264, VC-1/WMV9 up to 1080p decoding
- Display Output**  
Dual display supported  
1 x HDMI (up to 1920 x 1200 @60Hz)  
1 x 18-bit single-channel LVDS (up to 1366 x 768 @60Hz)
- Ethernet**  
USB interface 10/100 Mbps LAN by AX88772A
- I/O Interfaces**  
4 x RS-232  
1 x SATA 3Gb/s with 5V power  
1 x SD card slot (only for storage)  
7 x USB 2.0/1.1
- Audio**  
Realtek ALC662 HD audio codec
- Power Supply**  
12V input only  
AT/ATX mode supported  
1 x External power jack  
1 x 4-pin (2x2) internal power connector
- Power Consumption**  
12V@0.93A (1.2GHz Intel® Z650 with 800MHz 1GB DDR2 memory)  
12V@0.95A (1.5GHz Intel® Z670 with 800MHz 1GB DDR2 memory)
- Operating Temperature**  
-10°C ~ 60°C
- Operating Humidity**  
5% ~ 95%, non-condensing
- Dimensions**  
146 mm x 102 mm
- Weight**  
GW: 450g/NW: 130g