



LAND



SEA

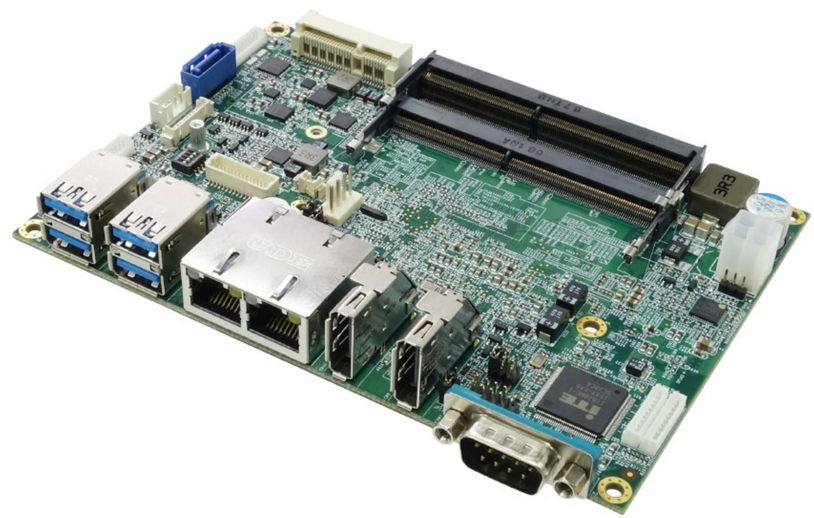


AIR

# OXY5362A

Intel® 7th Gen. Kabylake-U Core™

i7/i5/i3 Processor 3.5" SBC



- Support 7th Generation Intel® Core™ i7-7600U Processor
- 2 x SO-DIMM, supports Dual Channel DDR4 1866/2133 up to 32GB
- 1 x Full-size mPCIe, 1 x Half-size mPCIe
- Multi display: 2 x DisplayPort ; 1 x Dual Channel 24 Bit LVDS
- Dual LAN Ports (1 x Intel® I210-IT & 1 x Intel® I219-LM GbE LAN)
- 2 x COM Ports: 1 x RS-232, 1 x RS232/422/485
- 6 x USB Ports: 4 x USB 3.0, 2 x USB 2.0
- Wide rang 9~36V DC-in
- Extended operating temp. -20 to 85°C



# Specifications

## System

|                |  |
|----------------|--|
| CPU            | Intel® Kabylake-U series, BGA type<br>Intel® Core™ i7-7600U Processor (4M Cache, 3.9GHz) (15W)<br>Intel® Core™ i5-7300U Processor (3M Cache, 3.5GHz) (15W)<br>Intel® Core™ i3-7100U Processor (3M Cache, 2.4GHz) (15W) |
| Memory type    | 2 x SO-DIMM DDR4 1866/2133 MHz up to 32GB  |
| BIOS           | AMI® UEFI BIOS   |
| Super I/O      | Fintek F8786E  |
| Watchdog       | 1-255 sec  |
| Expansion Slot | 1 x Full-size mPCIe/mSATA<br>1 x Half-size mSATA   |

## Display

|              |                             |
|--------------|-----------------------------|
| Chipset      | Intel® Integrated           |
| Display Port | Max. resolution 4096 x 2304 |
| LVDS         | Dual channel 24-bit LVDS    |
| Display Type | Display Port, LVDS          |

## Audio

|       |  |
|-------|--|
| Codec | Realtek ALC888 High Definition Audio Codec |
|-------|--|

## Ethernet

|               |  |
|---------------|--|
| Chipset       | 1 x Intel® I210-IT , 1 x Intel® I219-LM GbE LAN<br>(support 10/100/1000 Mbps for 2 x RJ45 ports) |
| WOL           | Yes  |
| Boot from LAN | Yes for PXE  |

## Rear I/O

|              |                  |
|--------------|------------------|
| Display Port | 2 x Display Port |
| Ethernet     | 2 x RJ45         |
| USB          | 4 x USB 3.0      |
| COM          | 1 x RS232        |

## Internal I/O

|       |   |
|-------|---|
| SATA  | 1 x SATAIII (6 Gb/s)                            |
| USB   | 2 x USB 2.0                                     |
| COM   | 1 x RS232/422/485                               |
| AUDIO | Mic-in, Line-out<br>1 x 3W amplifier (Optional) |
| FAN   | 1 x CPU Fan                                     |
| LVDS  | 30-pin connector                                |
| DIO   | 8-bit   |

## Mechanical and Environment

|                   |   |
|-------------------|---|
| Form Factor       | 3.5" SBC  |
| Power Type        | 9~36V DC-in, 4-pin ATX power connector, AT/ATX mode support |
| Dimension         | 146mm x 101mm (5.7" x 4")                                   |
| Operating Temp.   | ET : -20 to 70°C / UT : -20 to 85°C                         |
| Storage Temp.     | -40 to 85°C   |
| Relative Humidity | 10% to 90%, non-condensing                                  |

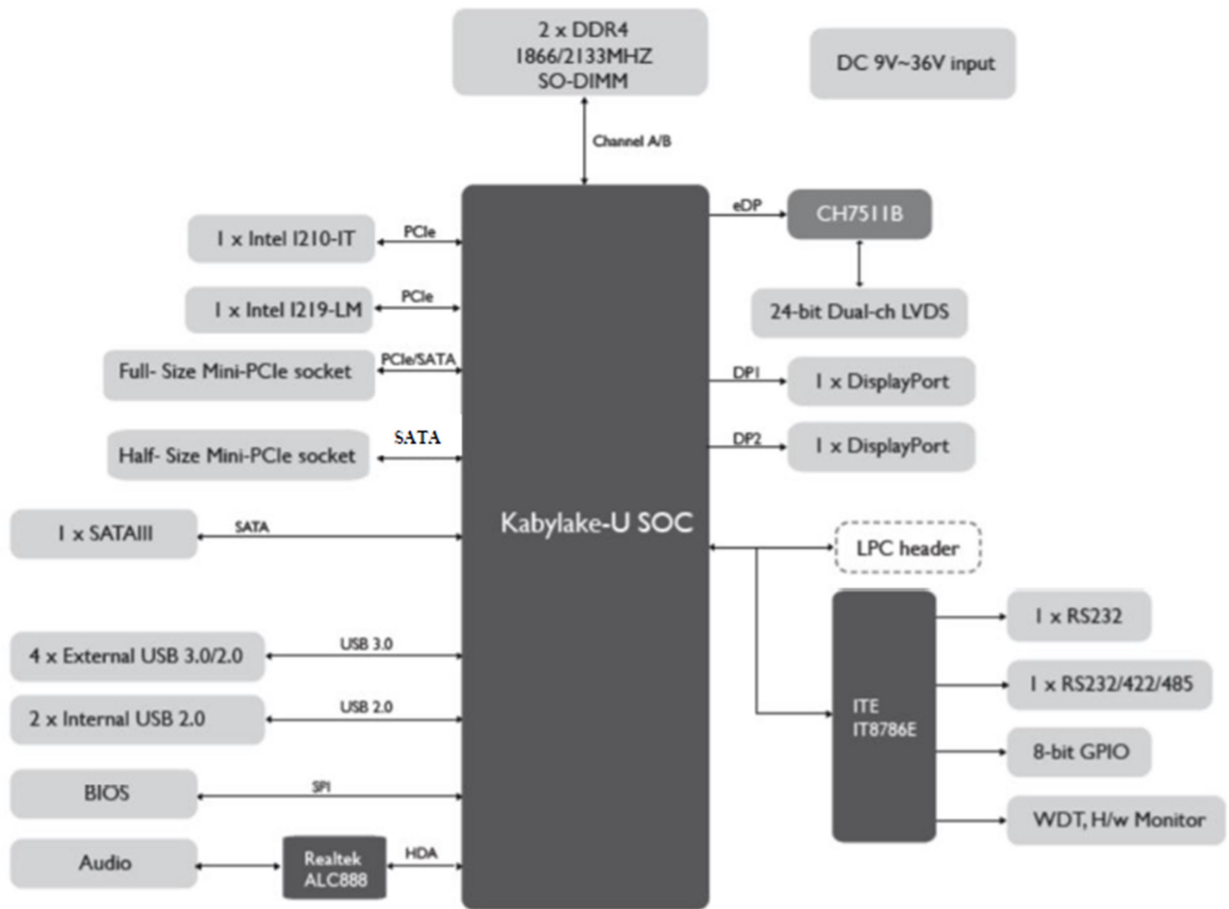
## Standard Compliance

|                     |        |
|---------------------|--------|
| Standard Compliance | CE/FCC |
|---------------------|--------|

## OS

|            |   |
|------------|---|
| OS Support | Windows®10 64-bit , Linux(Support by request) |
|------------|---|

# Block Diagram



## Ordering Information

| Model       | Description   |
|-------------|---|
| OXY5362A-01 | Intel® Core™ i7-7600U Processor, DDR4 SO-DIMM, 2 x Display Port, 1 x LVDS, 6 x USB, 2 x COM, 9~36V DC-in, Operating Temperature -20 to 85°C |
| OXY5362A-03 | Intel® Core™ i5-7300U Processor, DDR4 SO-DIMM, 2 x Display Port, 1 x LVDS, 6 x USB, 2 x COM, 9~36V DC-in, Operating Temperature -20 to 85°C |
| OXY5362A-04 | Intel® Core™ i3-7100U Processor, DDR4 SO-DIMM, 2 x Display Port, 1 x LVDS, 6 x USB, 2 x COM, 9~36V DC-in, Operating Temperature -20 to 85°C |

**Note: Specifications are subject to change without prior notice**