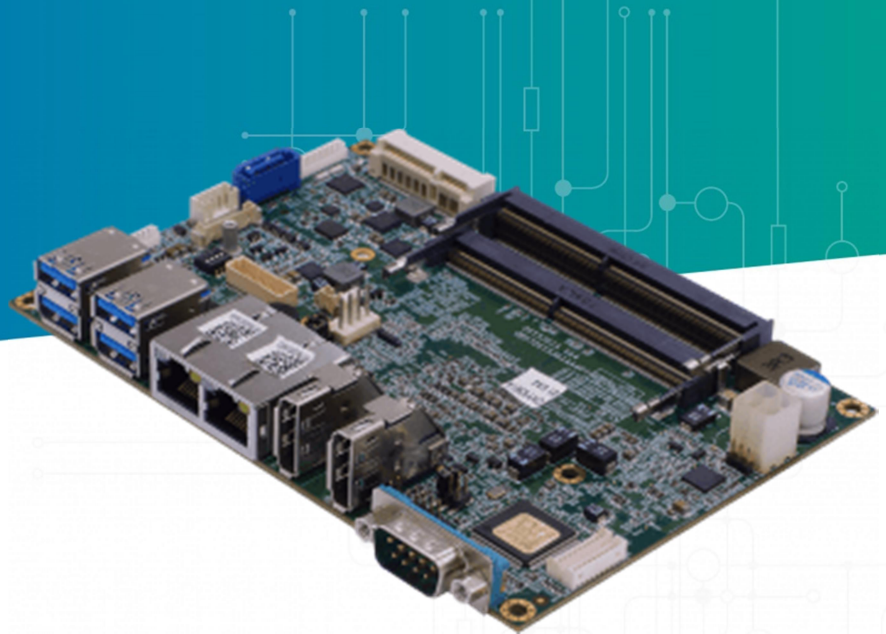


Intel® 7th Gen. Kabylake-U Core™ i7/i5/i3 Processor 3.5" SBC



Extended
Temperature
+85°C
-20°C

CPU Full Speed



- Support 6th 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
	Intel® Core™ i7-7600U Processor (4M Cache, 3.9GHz) (15W)
	Intel® Core™ i5-7300U Processor (3M Cache, 3.5GHz) (15W)
	Intel® Core™ i3-7100U Processor (3M Cache, 2.4GHz) (15W)
Memory type	2 x SO-DIMM DDR4 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
	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
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Ethernet

Chipset	1 x Intel® I210-IT , 1 x Intel® I219-LM GbE LAN (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 1 x 3W amplifier (Optional)
FAN	1 x CPU fan
LVDS	30-pin connector
DIO	8-bit

Mechanical and Environmental

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 Temperature	ET : -20 to 70°C UT : -20 to 85°C
Storage Temperature	-40 to 85°C
Relative humidity	10% to 90%, non-condensing

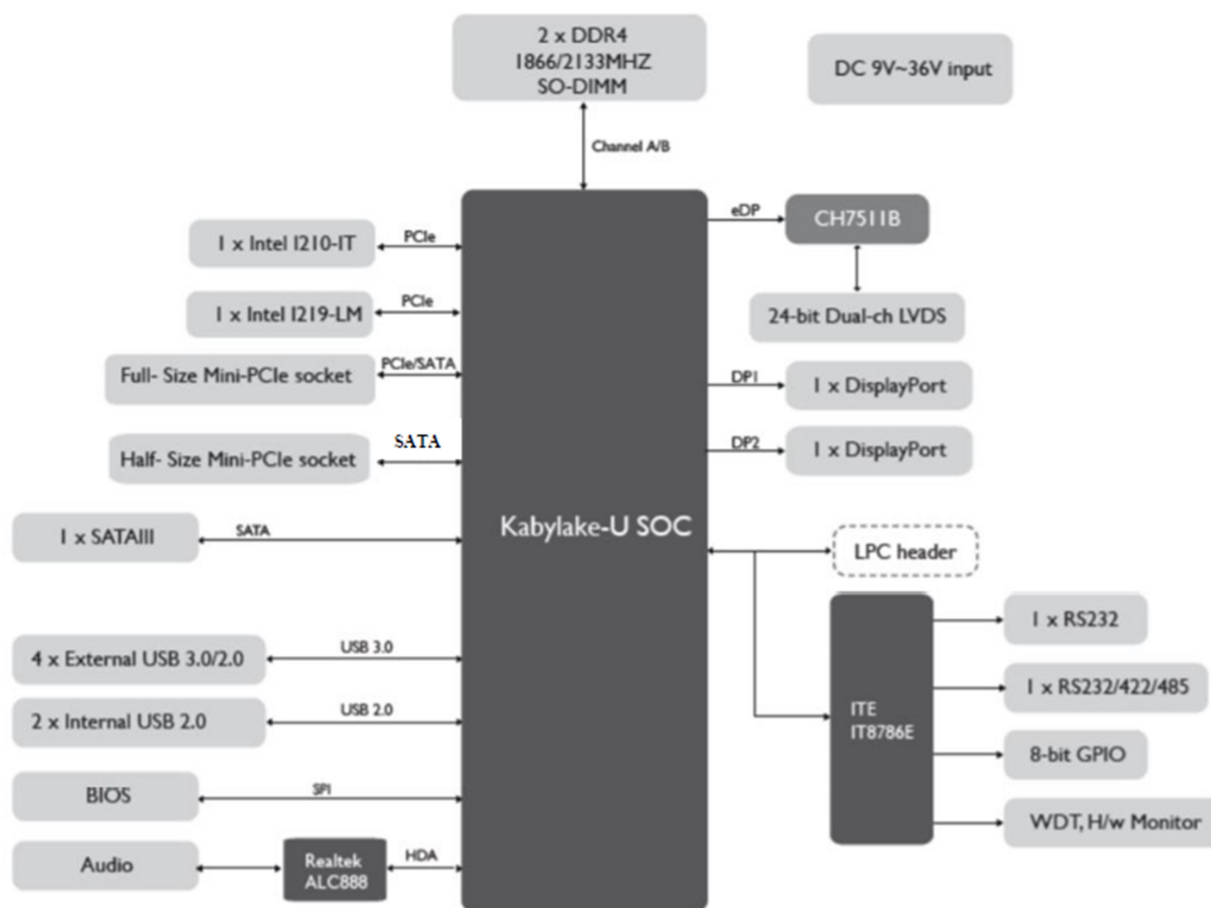
Standard Compliance

Standard Compliance	CE/FCC
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OS

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