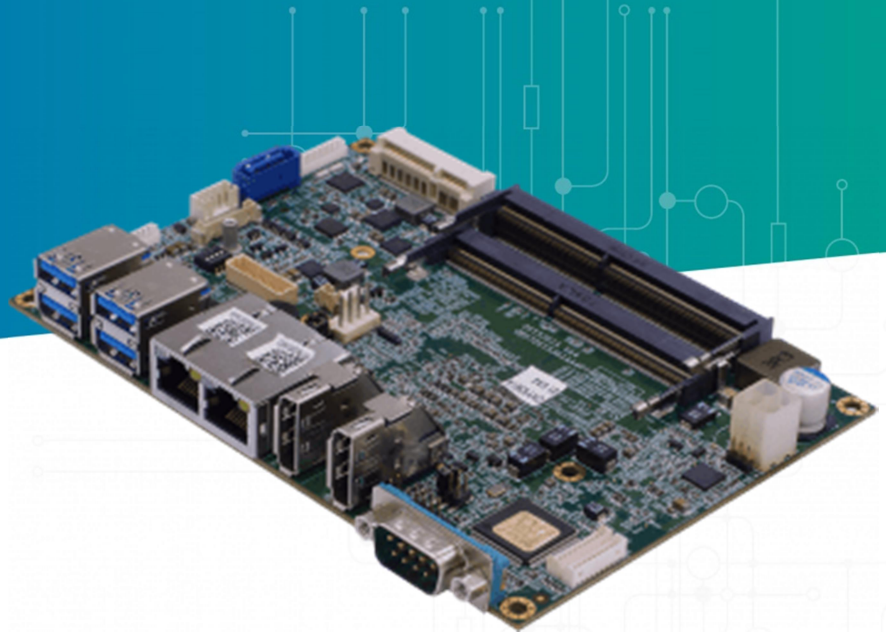


# Intel® 6th Gen. Skylake-U Core™ i7/i5/i3 Processor 3.5" SBC NVIDIA QUADRO and Intel i7-6600U



Extended  
Temperature  
+85°C  
-20°C

CPU Full Speed



- Support 6th Generation Intel® Core™ i7-6600U 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® Skylake-U series, BGA type Intel® Core™ i7-6600U Processor (4M Cache, 2.6GHz) (15W) Intel® Core™ i5-6300U Processor (3M Cache, 2.4GHz) (15W) Intel® Core™ i3-6100U Processor (3M Cache, 2.3GHz) (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

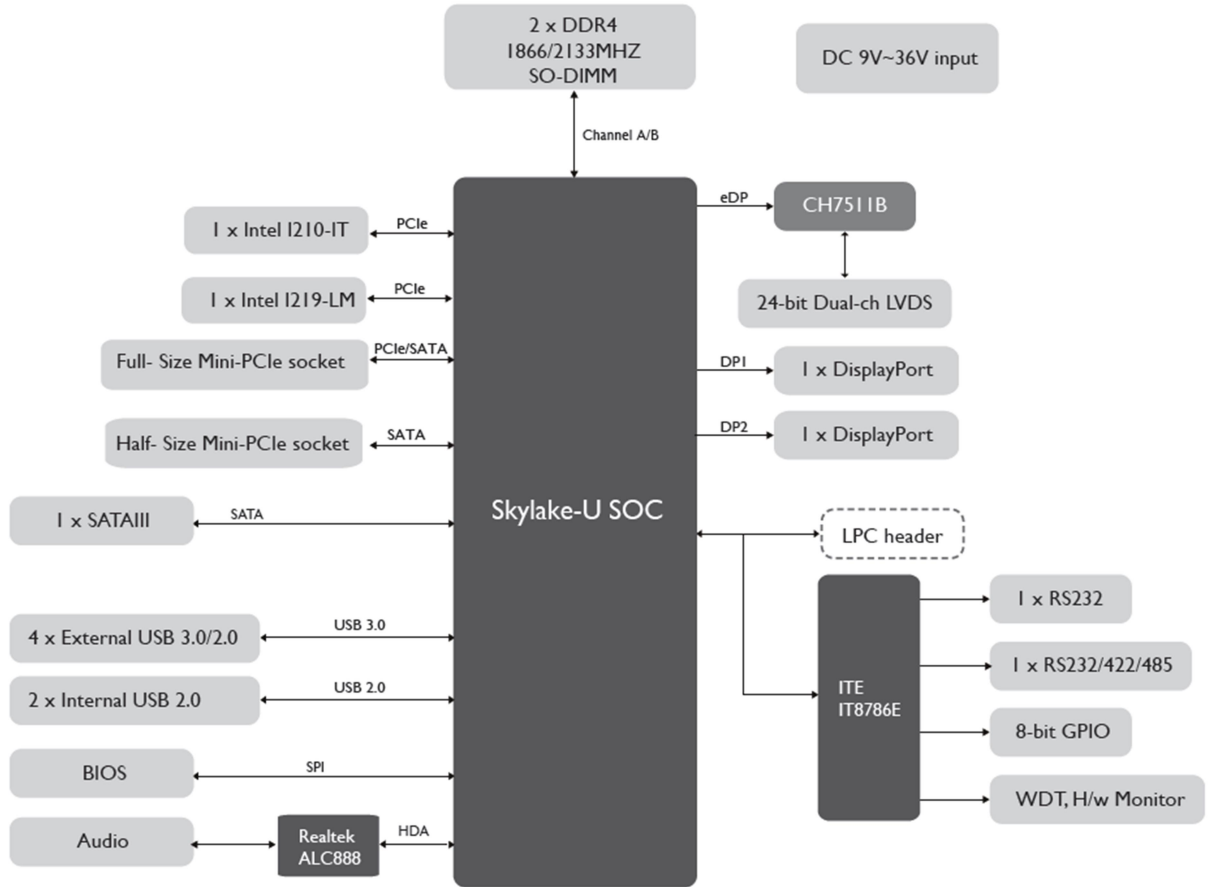
**Standard Compliance**

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
OXY5361A-01	Intel® Core™ i7-6600U Processor, DDR4 SO-DIMM, 2x Display Port, 1 x LVDS, 6 x USB, 2x COM, 9~36V DC-in, Operating Temperature -20 to 85°C
OXY5361A-03	Intel® Core™ i5-6300U Processor, DDR4 SO-DIMM, 2x Display Port, 1 x LVDS, 6 x USB, 2x COM, 9~36V DC-in, Operating Temperature -20 to 85°C
OXY5361A-04	Intel® Core™ i3-6100U Processor, DDR4 SO-DIMM, 2x Display Port, 1 x LVDS, 6 x USB, 2x COM, 9~36V DC-in, Operating Temperature -20 to 85°C

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