

Intel® 6th Gen. Skylake-U Core™ i7/i5/i3 Processor 3.5" SBC

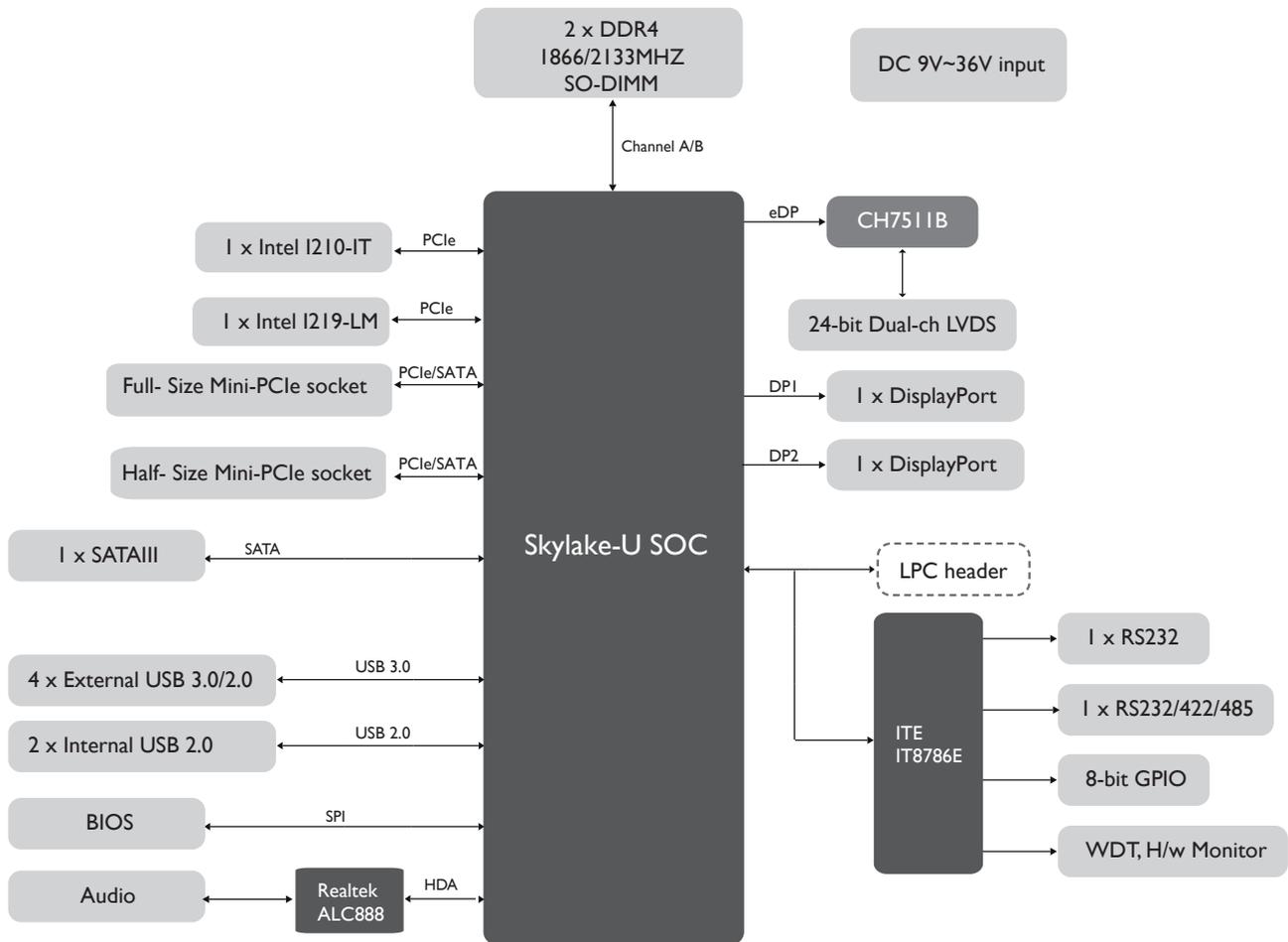
Extended
Temperature
+85°C
-40°C



- 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 (Intel I210-IT & 1 x I219-LM GbE)
- 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. -40~+85°C

OXY5361A

Blockdiagram



OXY5361A

System	
Processor	Intel® Core™ i7-6600U Processor (4M Cache, up to 3.40 GHz)
	Intel® Core™ i5-6300U Processor (3M Cache, up to 3.00 GHz)
	Intel® Core™ i3-6100U Processor (3M Cache, 2.30 GHz)
Memory Type	2 x SO-DIMM up to DDR4 32GB
Watchdog	1-255 sec
Mini PCIe Slot	1 x Full- Size (support PCIe/mSATA)
	1 x Half-Size (support PCIe/mSATA)
Display	
Chipset	Intel® HD Graphics 520
LVDS	Dual channel 24bit LVDS
Display Type	DisplayPort, LVDS
Ethernet	
Chipset	1 x Intel I210-IT, 1 x I219-LM GbE
Power Requirements	
Power Type	9 ~36V DC-in
Audio	
Codec	Realtek ALC888, w/3W amplifier

Rear I/O	
DisplayPort	2
Serial Port	1 x RS232 (with 5V/12V selectable)
Ethernet	2 x RJ45
USB	4 x USB 3.0
Internal I/O	
SATA	1 x SATAIII (6Gb/s)
Audio	1 x Line-out , Mic-In
	1 (4pins), 3W Audio Amplifier
COM	1 x RS232/422/485
LVDS	1 (30 pins)
DIO	1 (1 x 10-pin), 8-bit
USB	2 x USB2.0
Mechanical and Environment	
Form Factor	3.5" SBC
Power Type	9 ~36V DC-in
Dimension	146mm x 101mm
Operating Temp.	-40 to 85°C
Storage Temp.	-40 to 85°C
Relative Humidity	10% to 90%, non-condensing

Ordering information

OXY5361A-01

Intel® Core™ i7-6600U Processor, DDR4 SO-DIMM, 2 x DisplayPort, 1 x LVDS, 6 x USB, 2 x COM, 9V-36V DC input, Operating Temperature -40 to 85°C

OXY5361A-03

Intel® Core® i5-6300U Processor, DDR4 SO-DIMM, 2 x DisplayPort, 1 x LVDS, 6 x USB, 2 x COM, 9V-36V DC input, Operating Temperature -40 to 85°C

OXY5361A-04

Intel® Core® i3-6100U Processor, DDR4 SO-DIMM, 2 x DisplayPort, 1 x LVDS, 6 x USB, 2 x COM, 9V-36V DC input, Operating Temperature -40 to 85°C

Note: Specifications are subject to change without prior notice