ELSKY IPC6000 Specifications

Schematic diagram of Mini PC size



Schematic diagram of single network interface



Schematic diagram of dual network interface



Schematic diagram of DP interface





Schematic diagram of LPT interface





The picture is for reference only, please prevail in kind!

Product model ordering options:

CPU model	Applicable motherboard model	HDMI	LAN	USB2.0	USB3.0	COM	SSD	Memory (MAX)	Power
J1900 series	M219F	2K 60Hz	1	7	1	2/6/10	1*MSATA 1*2.5 inch HDD	1*DDR3; 8G	12V
			2	5	1	2/6/10			
J3355 series	M335F	4K 30Hz	1	5	2	2/6		1*DDR3; 8G	12V
			2	3	2	2/6			
3rd generation series	HGP series	2K 60Hz	1	6	2	2/6		1*DDR3; 8G	12V
			2	4	2	2/6			
4th generation 5th generation series	QM9400 QM9500	4K 30Hz	1	6	2	2/6		1*DDR3; 8G	12V
			2	4	2	2/6			
6th generation 7th generation series	QM9600 QM9700	4K 30Hz	1	6	2	2/6		2*DDR3; 16G	12V/19V
			2	4	2	2/6			
8th generation 10th generation series	QM9850 QM10U	4K 30Hz	1	6	2	2/6	Supports the above hard drives as well as 1*M.2 SSD	2*DDR4; 32G	12V/19V
			2	4	2	2/6			

Mini PC Specifications:

PC model	IPC6000-J1900 series	
Motherboard model	M218F, M219F, M218FC, M219FC, M218H, M219H	
PC size	234mm*205mm*53mm	
Power supply	1*DC_IN	The inner diameter of the DC head is 2.5mm, supports 12V, it is recommended to use a power supply of 12V5A or more
CPU	Intel Celeron J1800 dual-core 2.41GHz, turbo frequency 2.58GHz; Intel Celeron J1900 quad-core 1.99GHz, Turbo 2.4GHz; Intel Pentium J2900 quad-core 2.41GHz, turbo frequency 2.66GHz; Intel Celeron N2840 dual-core 2.16GHz, Turbo 2.58GHz Intel Celeron N2930 quad-core 1.83GHz, Turbo 2.16GHz Intel Celeron N2940 quad-core 1.83GHz, turbo 2.25GHz	
Chipset	Intel Bay trail SOC chipset	
Memory	1*NB-DDR3 memory, support 1.35V, support 1600MHz memory, maximum support 8G	
Internet function	Integrated Realtek 8111E 1000M network card or Realtek 8105E 100M network card optional, support wake-on-lan, network PXE function	
	Support WIFI/4G/Bluetooth optional, support 2*WIFI antenna mast	
Display function	Intel HD Graphics (Sandy Bridge) graphics controller, supports single display, dual display copy, dual display expansion	
	1*VGA DB15 interface	Support resolution 1920*1080@60Hz
	1*HDMI 1.4 port	Support resolution 1920*1080@60Hz
USB function	1*USB3.0 interface	The blue group USB is USB3.0 speed (the blue group, the one below the chassis direction is USB3.0)
	5*USB2.0 interface	The black group USB is USB2.0 speed (the blue group, the one above the chassis direction is USB2.0)
Sound function	Integrated Realtek ALC662 HD digital audio decoder, 6-channel high-fidelity audio controller Or integrated Cmedia HS_100B USB audio chip	
	1*SPK interface	Support audio output
	1*MIC interface	Support microphone input
	HDMI interface supports HDMI audio output	
Hard disk function	1*MSATA disk; 1*2.5 inch hard disk (SSD or mechanical hard disk)	
Switch function	POWER button	Switch button
Other I/O	6*COM interface	Support RS232; where COM3/4 can optionally support RS232/RS422/RS485; COM6 can optionally support RS232/RS485;
	1*LPT interface	Parallel port, standard printer port
Operating environment	Working temperature: -10℃~60℃; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support power-on boot, scheduled boot, remote boot	
Watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Windows 10, Windows 8, Windows 7, Linux, etc.	

illustrate:

☆ Single gigabit network port/dual gigabit network port of the Mini PC is optional; dual network ports only affect the number of USB2.0;

☆ The Mini PC has wall-mounted holes.

Mini PC Specifications:

PC model	IPC6000-J3355 series	
Motherboard model	M335F	
PC size	234mm*205mm*53mm	
Power supply	1*DC_IN	The inner diameter of the DC head is 2.5mm, supports 12V, it is recommended to use a power supply of 12V5A or more
CPU	Intel Celeron J3355 dual-core 2.0GHz, turbo frequency 2.5GHz; Intel Celeron J3455 quad-core 1.5GHz, turbo frequency 2.3GHz; Intel Pentium N4200 quad-core 1.1GHz, turbo frequency 2.5GHz;	
Chipset	Intel Apollo Lake SOC Chipset	
Memory	1*NB-DDR3 memory, support 1.35V, support 1600MHz memory, maximum support 8G	
Internet function	Integrated Realtek 8111H Gigabit LAN, supports wake-up on LAN, network PXE function	
	Support WIFI/4G/Bluetooth optional, support 2*WIFI antenna mast	
Display function	Intel HD Graphics 500/505 graphics controller, support single display, dual display copy, dual display expansion	
	1*VGA DB15 interface	Support resolution 1920*1080@60Hz
	1*HDMI 1.4 port	Support 4K resolution 4096/3840*2160@30Hz
USB function	2*USB3.0 interface	The blue group USB is USB3.0 speed
	5*USB2.0 interface	Black group USB is USB2.0 speed
Sound function	Integrated Realtek ALC662 HD digital audio decoder, 6-channel high-fidelity audio controller	
	1*SPK interface	Support audio output
	1*MIC interface	Support microphone input
	HDMI interface supports HDMI audio output	
Hard disk function	1*MSATA disk; 1*2.5 inch hard disk (SSD or mechanical hard disk)	
Switch function	POWER button	Switch button
Other I/O	6*COM interface	Support RS232; COM4/6 can optionally support RS232/RS422/RS485;
	1*LPT interface	Parallel port, standard printer port
Operating environment	Working temperature: -10℃~60℃; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support power-on boot, scheduled boot, remote boot	
Watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Windows 10 64bit, Linux, etc.	

illustrate:

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Mini PC Specifications:

PC model	IPC6000 3rd generation series	
Motherboard model	1037F, 2117F, i3HGP, i5HGP, i7HGP	
PC size	234mm*205mm*53mm	
Power supply	1*DC_IN	The inner diameter of the DC head is 2.5mm, supports 12V, it is recommended to use a power supply of 12V5A or more
3rd generation CPU	Intel Celeron 1037U dual-core 1.8GHz; Intel Pentium 2117U dual-core 1.8GHz; Intel Core i3-3217U dual-core 1.8GHz; Intel Core i3-3227U dual-core 1.9GHz; Intel Core i5-3317U dual-core 1.7GHz, turbo frequency 2.6GHz; Intel Core i5-3337U dual-core 1.8GHz, turbo frequency 2.7GHz; Intel Core i5-3427U dual-core 1.8GHz, turbo frequency 2.8GHz; Intel Core i5-3437U dual-core 1.9GHz, Turbo 2.9GHz; Intel Core i7-3517U dual-core 1.9GHz, Turbo 3.0GHz; Intel Core i7-3537U dual-core 2.0GHz, turbo frequency 3.1GHz; Intel Core i7-3667U dual-core 2.0GHz, turbo frequency 3.2GHz; Intel Core i7-3687U dual-core 2.1GHz, turbo 3.3GHz;	
Chipset	Intel 6 series chipsets: HM65, HM67, QM67 Intel 7 series chipsets: NM70, HM70, HM75, HM76, HM77, QM77	
Memory	1*NB-DDR3 memory, support 1.35V/1.5V, support 1333/1600MHz memory, maximum support 8G	
Internet function	Integrated Realtek 8111E 1000M network card or Realtek 8105E 100M network card optional, support wake-on-lan, network PXE function	
	Support WIFI/4G/Bluetooth optional, support 2*WIFI antenna mast	
Display function	Intel HD Graphics 4000 graphics controller, support single display, dual display copy, dual display expansion	
	1*VGA DB15 interface	Support resolution 1920*1080@60Hz
	1*HDMI 1.4 interface	Support resolution 1920*1080@60Hz
USB function	2*USB3.0 interface	Blue group USB is USB3.0 speed (USB2.0 speed for intel 6 series chipset)
	4*USB2.0 interface	Black group USB is USB2.0 speed
Sound function	Integrated Realtek ALC662 HD digital audio decoder, 6-channel high-fidelity audio controller Or integrated Cmedia HS_100B USB audio chip	
	1*SPK interface	Support audio output
	1*MIC interface	Support microphone input
	HDMI interface supports HDMI audio output	
Hard disk function	1*MSATA disk; 1*2.5 inch hard disk (SSD or mechanical hard disk)	
Switch function	POWER button	Switch button
Other I/O	6*COM interface	Support RS232; COM2 optional support RS422/RS485
	1*LPT interface	Parallel port, standard printer port
Operating environment	Working temperature: -10℃~60℃; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support power-on boot, scheduled boot, remote boot	
Watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Windows 10, Windows 8, Windows 7, Windows XP, Linux, etc.	

illustrate:

☆ When the main chipset is Intel 6 series chipset, the blue USB interface is USB2.0, without USB3.0;

☆ When the main chipset is Intel 7 series chipset, the blue USB interface is USB3.0;

☆ Single gigabit network port/dual gigabit network port of the Mini PC is optional; dual network ports only affect the number of USB2.0;

☆ The Mini PC has wall-mounted holes.

Mini PC Specifications:

PC model	IPC6000 4th generation 5th generation series	
Motherboard model	Both QM9400 and QM9500 series are available	
PC size	234mm*205mm*53mm	
Power supply	1*DC_IN	The inner diameter of the DC head is 2.5mm, supports 12V, it is recommended to use a power supply of 12V5A or more
4th generation CPU	Intel Core i3-4005U dual-core 1.7GHz; Core i3-4010U dual-core 1.7GHz; Intel Core i3-4025U dual-core 1.9GHz; Core i3-4030U dual-core 1.9GHz; Intel Core i3-4100U dual-core 1.8GHz; Intel Core i5-4200U dual-core 1.6GHz, turbo frequency 2.6GHz; Core i5-4210U dual-core 1.7GHz, turbo frequency 2.7GHz; Intel Core i5-4250U dual-core 1.3GHz, turbo frequency 2.6GHz; Core i5-4278U dual-core 2.6GHz, turbo frequency 3.1GHz; Intel Core i5-4300U dual-core 1.9GHz, turbo frequency 2.9GHz; Core i5-4308U dual-core 2.8GHz, turbo frequency 3.3GHz; Intel Core i5-4310U dual-core 2.0GHz, turbo frequency 3.0GHz; Core i7-4500U dual-core 1.8GHz, turbo frequency 3.0GHz; Intel Core i7-4510U dual-core 2.0GHz, turbo frequency 3.1GHz; Core i7-4550U dual-core 1.5GHz, turbo frequency 3.0GHz; Intel Core i7-4558U dual-core 2.8GHz, turbo frequency 3.3GHz; Core i7-4578U dual-core 3.0GHz, turbo frequency 3.5GHz; Intel Core i7-4600U dual-core 2.1GHz, turbo frequency 3.3GHz; Core i7-4650U dual-core 1.7GHz, turbo frequency 3.0GHz;	
5th generation CPU	Intel Core i3-5005U dual-core 2.0GHz; Core i3-5010U dual-core 2.1GHz; Intel Core i3-5015U dual-core 2.1GHz; Core i3-5020U dual-core 2.2GHz; Intel Core i5-5200U dual-core 2.2GHz, turbo frequency 2.7GHz; Core i5-5250U dual-core 1.6GHz, turbo frequency 2.7GHz; Intel Core i5-5257U dual-core 2.7GHz, turbo frequency 3.1GHz; Core i5-5287U dual-core 2.9GHz, turbo frequency 3.3GHz; Intel Core i5-5300U dual-core 2.3GHz, turbo frequency 2.9GHz; Core i5-5350U dual-core 1.8GHz, turbo frequency 2.9GHz; Intel Core i7-5500U dual-core 2.4GHz, turbo frequency 3.0GHz; Core i7-5550U dual-core 2.0GHz, turbo frequency 3.0GHz; Intel Core i7-5557U dual-core 3.1GHz, turbo frequency 3.4GHz; Core i7-5600U dual-core 2.6GHz, turbo frequency 3.2GHz; Intel Core i7-5650U dual-core 2.2GHz, turbo frequency 3.1GHz;	
Chipset	Intel Bay trail SOC chipset	
Memory	1*NB-DDR3 memory, support 1.35V, support 1600MHz memory, maximum support 8G	

Internet function	Integrated Realtek 8111E 1000M network card or Realtek 8105E 100M network card optional, support wake-on-lan, network PXE function	
	Support WIFI/4G/Bluetooth optional, support 2*WIFI antenna mast	
Display function	Intel HD Graphics (Sandy Bridge) graphics controller, supports single display, dual display copy, dual display expansion	
	1*VGA DB15 interface	Support resolution 1920*1080@60Hz
	1*HDMI 1.4 port	Support 4K resolution 4096/3840*2160@30Hz
USB function	2*USB3.0 interface	The blue group USB is USB3.0 speed
	4*USB2.0 interface	Black group USB is USB2.0 speed
Sound function	Integrated Realtek ALC662 HD digital audio decoder, 6-channel high-fidelity audio controller Or integrated Cmedia HS_100B USB audio chip	
	1*SPK interface	Support audio output
	1*MIC interface	Support microphone input
	HDMI interface supports HDMI audio output	
Hard disk function	1*MSATA disk; 1*2.5 inch hard disk (SSD or mechanical hard disk)	
Switch function	POWER button	Switch button
Other I/O	6*COM interface	Support RS232; COM2 optional support RS422/RS485
	1*LPT interface	Parallel port, standard printer port
Operating environment	Working temperature: -10℃~60℃; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support power-on boot, scheduled boot, remote boot	
Watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Windows 10, Windows 8, Windows 7, Linux, etc.	

illustrate:

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Mini PC Specifications:

PC model	IPC6000 6th generation 7th generation series	
Motherboard model	Both QM9600 and QM9700 series are available; QM9650 and QM9750	
PC size	234mm*205mm*53mm	
Power supply	1*DC_IN	The inner diameter of the DC head is 2.5mm, supports 12V/19V, it is recommended to use a power supply of 12V5A or 19V5A or more
6th generation CPU	Intel Celeron 3855U dual-core 1.6GHz; Intel Celeron 3955U dual-core 2.0GHz; Intel Core i3-6006U dual-core 2.0GHz; Intel Core i3-6100U dual-core 2.3GHz; Intel Core i5-6200U dual-core 2.3GHz, Turbo 2.8GHz; Intel Core i5-6300U dual-core 2.4GHz, Turbo 3.0GHz; Intel Core i7-6500U dual-core 2.5GHz, turbo frequency 3.1GHz; Intel Core i7-6600U dual-core 2.6GHz, turbo frequency 3.4GHz;	

7th generation CPU	Intel Celeron 3865U dual-core 1.8GHz; Intel Celeron 3965U dual-core 2.2GHz; Intel Core i3-7020U dual-core 2.3GHz; Intel Core i3-7100U dual-core 2.4GHz; Intel Core i3-7130U dual-core 2.7GHz; Intel Core i5-7200U dual-core 2.5GHz, Turbo 3.1GHz; Intel Core i5-7300U dual-core 2.6GHz, Turbo 3.5GHz; Intel Core i7-7500U dual-core 2.7GHz, turbo frequency 3.5GHz; Intel Core i7-7600U dual-core 2.8GHz, turbo 3.9GHz;	
Chipset	Single chip integrated in CPU	
Memory	2*NB-DDR3 memory, support 1.35V, support 1600MHz memory, maximum support 16G	
Internet function	Integrated Realtek 8111F Gigabit LAN, supports wake-up on LAN, network PXE function	
	Support WIFI/4G/Bluetooth optional, support 2*WIFI antenna mast	
Display function	6th generation integrated intel HD Graphics 510/520 graphics controller, supports single display, dual display copy, dual display expansion 7th generation integrated intel HD Graphics 610/620 graphics controller, supports single display, dual display copy, dual display expansion	
	1*VGA DB15 interface	Support resolution 1920*1080@60HZ
	1*HDMI 1.4 interface	Support 4K resolution 4096/3840*2160@30HZ
USB function	2*USB3.0 interface	The blue group USB is USB3.0 speed
	4*USB2.0 interface	Black group USB is USB2.0 speed
Sound function	Integrated Realtek ALC662 HD digital audio decoder, 6-channel high-fidelity audio controller Or integrated Cmedia HS_100B USB audio chip	
	1*SPK interface	Support audio output
	1*MIC interface	Support microphone input
	HDMI interface supports HDMI audio output	
Hard disk function	1*MSATA disk; 1*2.5 inch hard disk (SSD or mechanical hard disk)	
Switch function	POWER button	Switch button
Other I/O	6*COM interface	Support RS232; COM2 optional support RS422/RS485
	1*LPT interface	Parallel port, standard printer port
Operating environment	Working temperature: -10℃~60℃; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support power-on boot, scheduled boot, remote boot	
Watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Windows 10, Windows 8, Windows 7, Linux, etc.	

illustrate:

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Mini PC Specifications:

PC model	IPC6000 8th generation 10th generation series	
Motherboard model	QM9850, QM10U, QM8H, QM9H, QM10H, etc.	
PC size	234mm*205mm*53mm	
CPU processor	Support 8th generation Whiskey Lake _ CPU: I3-8145U , I5-8265U, I7-8665U , etc.	
	Support 10th generation Comet Lake _ CPU: I3-10110U, I5-10210U, I7-10510U, etc.	
Memory support	2*NB-DDR4 memory slots, support 2133/2400/2666MHz memory, up to 64GB	
Power supply	1*DC_IN	It supports 12V voltage, the inner diameter of the DC plug is 2.5MM, and the power consumption of the motherboard is about 85 W at full load. It is recommended to use 12V 7 A or above power supply
Display function	Integrated Intel UHD Graphics ultra-core graphics card, support single display, dual display/triple display copy, dual display/triple display expansion, single display under DOS	
	1*VGA DB15 interface	Support resolution 1920*1080@60HZ
	1*HDMI 1.4 interface	Support 4K resolution 4096/3840*2160@30HZ
Internet function	1*LAN interface	Realtek 8111H Gigabit LAN chip, supports Wake-on-LAN and PXE diskless boot function
	Support WIFI/4G/Bluetooth optional, support 2*WIFI antenna mast	
Hard disk function	1*M.2 interface	M.2 2280 is supported by default, 2242 is optional; the default NVME (PCIE) protocol can be changed to SATA protocol
	1*SATA1 interface	Standard SATA3.0 hard disk interface, the maximum transmission speed is 6.0 Gbps
	Select one of SATA1 signal and MSATA signal, SATA1 is supported by default	
	1*SATA2 interface	Standard SATA3.0 hard disk interface, the maximum transmission speed is 6.0 Gbps
Sound function	Integrated Realtek ALC662 HD digital audio decoder, 6-channel high-fidelity audio controller Or integrated BBH621 USB audio chip	
	1*LINE_OUT interface	Support audio output (green)
	1*MIC_IN interface	Support microphone input (red)
USB function	2*USB3. 1 interface	Rear standard USB3. 1 Gen2 interface, the maximum transmission bandwidth is 10.0Gbps
	4 *USB2.0 interface	Rear standard USB2.0 interface, the maximum transmission bandwidth is 480Mbps (60MB/s)
Switch function	POWER	Switch button
Other I/O	6*COM interface	Support RS232; COM1 optional support RS422/RS485
Operating environment	Working temperature: -10 ℃~60℃; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support power-on and start-up, scheduled start-up, remote switch machine intelligent identification of equipment	
Watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Support Windows 10 64 , Linux, etc.	

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