



YL-SKU L6 Motherboard

User Manual

Supports Intel Sky Lake-U/Kaby Lake-U processors

Version: 1.0

Release Date: June 2017

Chapter 1: Hardware Installation

Pre-installation precautions:

The motherboard consists of numerous precision integrated circuits and other components; these integrated circuits are susceptible to damage due to electrostatic discharge. Therefore, please read this user manual carefully before installation and make the following preparations:

Before installation, please verify that the dimensions of the chassis used are compatible with the motherboard.

Before installation, please do not tear off the serial number sticker or the authorized dealer's warranty sticker from the motherboard; doing so may affect the criteria used to determine the product's warranty period.

Before installing or removing the motherboard or other hardware devices, be sure to turn off the power supply and unplug the power cord from the socket. When installing other hardware devices into the motherboard sockets, verify that the interface and socket are securely fastened together.

When handling the motherboard, try to avoid touching its metal components to prevent short circuits. When handling the motherboard, the central processing unit (CPU), or memory modules, it is advisable to wear an anti-static wrist strap.

If you do not have an anti-static wrist strap, ensure your hands are dry and touch a metal object first to dissipate static electricity. Before installing the motherboard, place it on an anti-static mat or in an anti-static bag.

When removing the plug from the motherboard power socket, please ensure that the power supply is turned off. Before turning on the power supply, verify that its voltage setting matches the local standard voltage value. Before turning on the power supply, ensure that all hardware cables and power cords are properly connected.

Do not allow screws to come into contact with any circuits or components on the motherboard, to prevent damage or malfunction of the motherboard.

Please ensure that no screws or metal parts are left on the motherboard or inside the computer case. Do not place the computer chassis on an unstable surface.

For more information, please visit:

Yanling Industrial Control _____

Website: _____ www.minisys.com.cn / www.ylgkdn.com

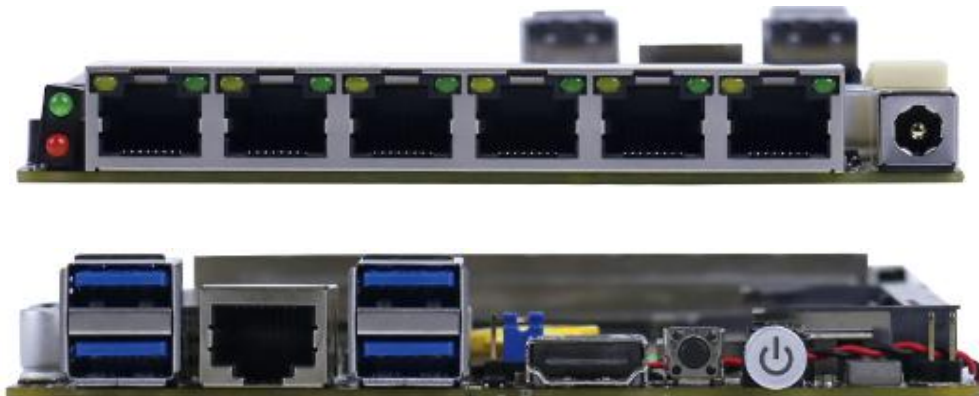
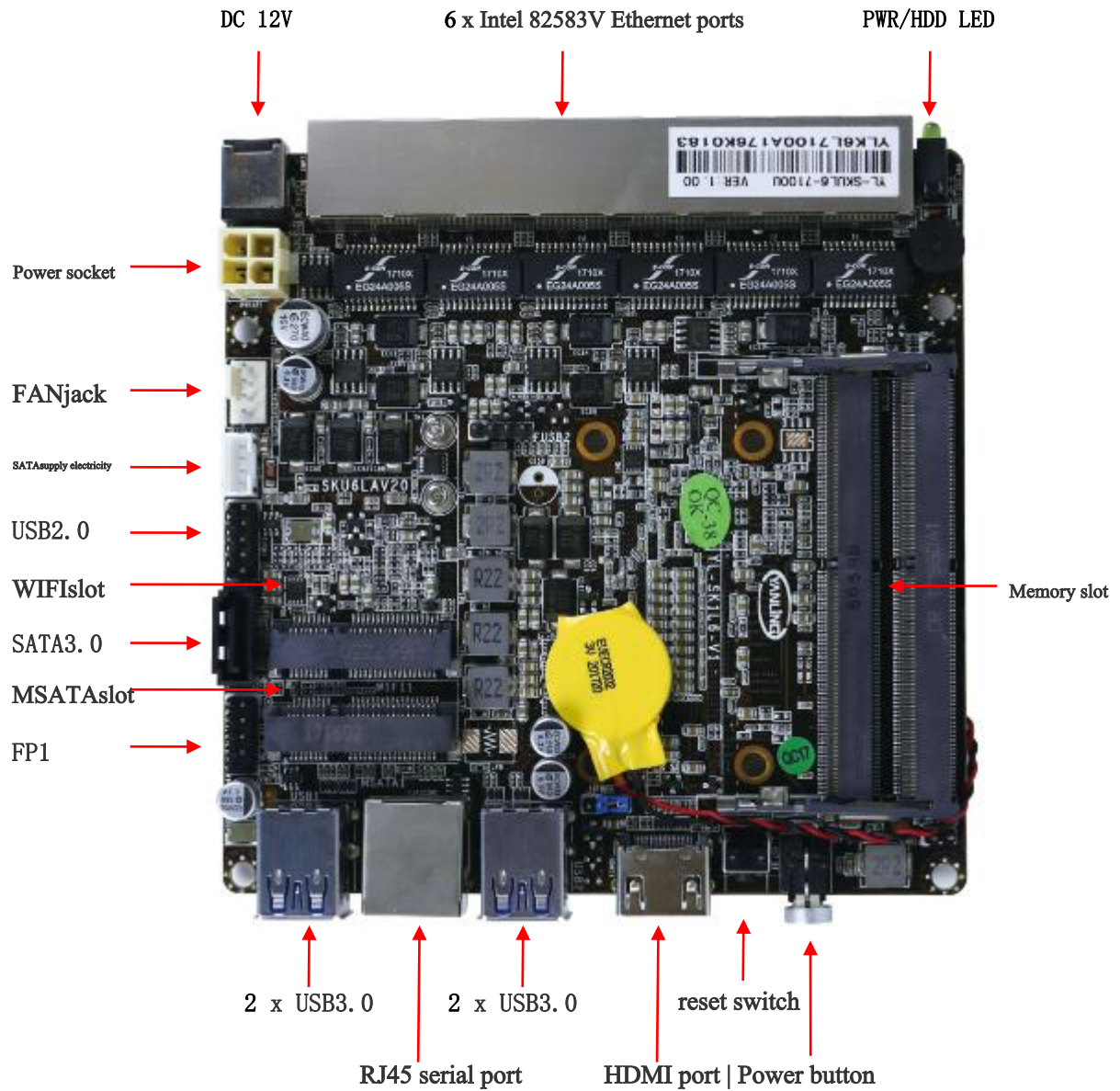
Business Inquiry Hotline: 0755-83291730 / 13560731315

technical supportQQ: 2853375793

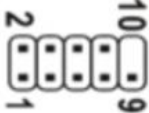
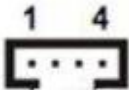
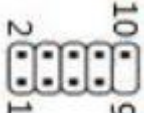
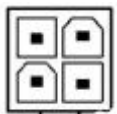
Chapter 2: Mainboard Introduction

Motherboard size	12cm*12cm
CPU architecture	KabyLake-U
CPUparameter	Intel Celeron 3865U (Dual-core, dual-threaded; 2 MB L3 cache; clock speed: 1.8 GHz)
	Intel Core i3-7100U (Dual-core, four threads; 3 MB L3 cache; 2.4 GHz clock speed)
Memory slot	2 x DDR4 1866/2133 SODIMM modules; maximum supported capacity: 32 GB
Display Core	Integrated graphics: Intel HD Graphics 620
SATA interface	1 x SATA 3.0
USB 3.0 port	4 x USB 3.0
Display Output	1 x HDMI port (no audio output)
Network interface	6 x Intel 82583V Gigabit Ethernet Network Cards
Extended slot	1 x Mini PCIe card slot (supports Wi-Fi/Bluetooth)
	1 x Mini PCIe expansion slot (supports MSATA)
Serial port	1x RJ45 serial port
Audio frequency	Not have
Source	DC 12V power supply
Switch indicator light color	Blue

Chapter 3: Introduction to Mainboard I/O Interfaces



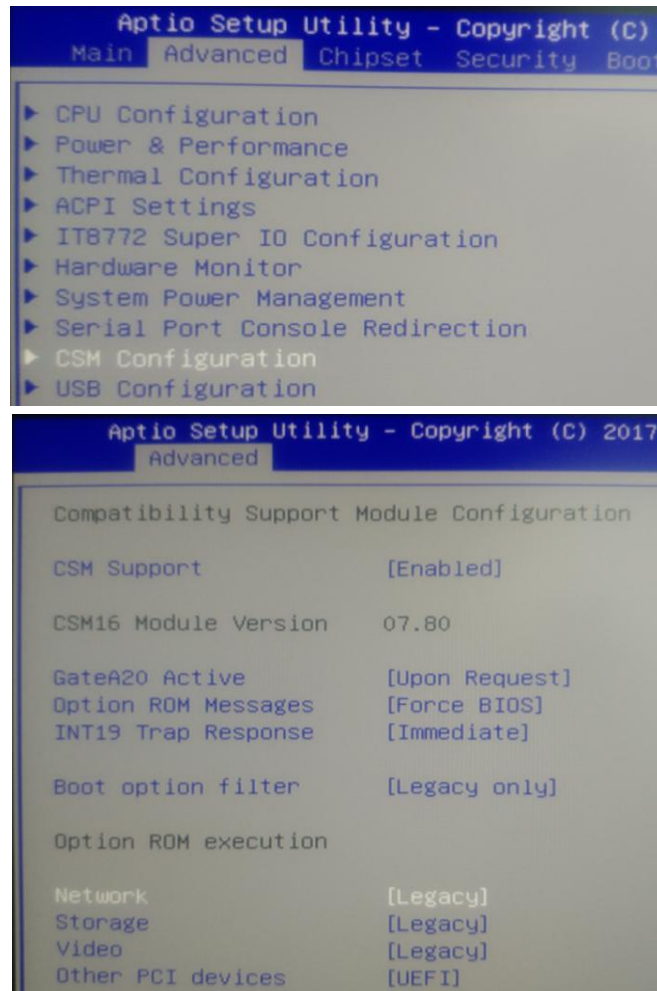
Chapter 4: Pin Definition Notes

Silk screen marking	Pin		Explain	Remarks
FP1 	1		HDD_LED+	
	2		PWR_LED+	
	3		HDD_LED-	
	4		PWR_LED-	
	5		RST_GND	
	6		PW_ON	
	7		RST	
	8		PWON_GND	
	9		Empty	
SATA Power 	1		+12V	SATA supply electricity
	2		GND	
	3		GND	
	4		+5V	
USB 	1	2	+5V	Built-in USB connector
	3	4	Data -	
	5	6	Data +	
	7	8	GND	
	9	10	GND	
FAN 	1		GND	Fan power socket
	2		+12V	
	3		DET	
	4		PWM	
PWR 	1		GND	Power input socket
	2		GND	
	3		+12V	
	4		+12V	

Chapter 5: Common BIOS Instructions

1、 Enable PXE Functionality

When powering on the device, press the DEL key to enter the BIOS settings. Follow the white menu options below: select "Advanced" → "CSM Configuration" → "Network" → "Legacy", then press "F4" and then "YES" to exit.



2、 Set to Disable the Startup Logo

When powering on the device, press the DEL key to enter the BIOS settings. From the menu options, select "Boot" → "Quiet Boot" → "Disabled", then press "F4" → "YES" to exit.

