

Specification

Form Factor	170x170x21mm(LxWxH)	
Intel Processor	M218F-UA: Support Intel Celeron J1800 CPU; M219F-UA: Support Intel Celeron J1900 CPU; M229F-UA: Support Intel Pentium J2900CPU.	
Chipset	Intel Bay trail SOC Chipset	
Memory	1xNB-DDR3 SODIMM 1333/1600MHz 1.35V Memory slot, up to 8GB RAM.	
Power Supply	1xDC JACK	DC port size: 5.5x2.5MM; Support DC 12V.
	1xDC_PWR	Full load power consumption of the motherboard is about 30W; Recommend 12V 4A and above power adapter.
Display Function	Integrated Intel HD Graphics in CPU; Support single display, dual display copy/expansion, single display under DOS.	
	1xVGA DB15 interface	Support resolution 1920x1080@60Hz
	1xVGA OUT pin	Support resolution 1920x1080@60Hz (12Pin, 1x12Pin, 2.0mm)
	1xHDMI 1.4 interface	Support resolution 1920x1080@60Hz
	1xHDMI_CON pin	Support resolution 1920x1080@60Hz (12Pin, 1x12Pin, 2.0mm)
	1xLVDS pin	Support resolution 1920x1080@60Hz (30Pin, 2x15Pin, 2.0mm)
	1xLVDS_PWR pin	LVDS voltage control pin (6Pin, 2x3Pin, 2.0mm)
	1xINVERT pin	LVDS backlight switch control pin (6Pin, 1x6Pin, 2.0mm)
Ethernet	1xRJ45 LAN interface	Option 1: 10/100Mbps RTL8105E/RTL8106E LAN chip;
		Option 2: 10/100/1000Mbps RTL8111F LAN chip;
Storage	Support Wake on LAN and PXE diskless boot function.	
	1xMINI_PCIE interface	Support optional WIFI/3G/4G/Bluetooth/GPS module.
	1xSATA interface	Standard SATA2.0 hard disk interface
	1xMSATA interface	Support MSATA 2.0
	1xSATA_PWR pin	It is hard disk power supply pin and can take the 5V, 12V electricity. (4Pin, 1x4Pin, 2.54mm)
Sound Function	Integrated Cmedia HS-100B USB HD Audio chip(Defaul); Option Realtek ALC662/892 HD Audio chip(Different price). Not support Windows Embedded systems, Custom systems, Special system.	
	1xLINE_OUT interface	Support Audio output(Green)
	1xMIC_IN interface	Support Microphone input(Pink)
	1xJAMP pin	This is the amplifier pin. It supports 8 Ω 5W speaker dual channel output. (4Pin, 1x4Pin, 2.0mm)
USB Function	1xUSB3.0 interface	Rear standard USB3.0 interface(Blue)
	3xUSB2.0 interfaces	Rear standard USB2.0 interface(Blue and Black)
	1xF_USB1 pin	Front USB2.0 pin; One group has 2xUSB2.0 (9Pin, 2x5Pin, 2.54mm)
	1xF_USB2 pin	Front USB2.0 pin; One group has 2xUSB2.0 (9Pin, 2x5Pin, 2.54mm)
Switch	1xF_USB3 pin	Front USB2.0 pin; One group has 2xUSB2.0 (9Pin, 2x5Pin, 2.54mm)
	1xF_PANEL pin	Switch, power supply light, hard disk light, restart pin. (9Pin, 2x5Pin, 2.54mm)
Serial Port	COM1, COM2, COM5, COM7, COM8, COM9, COM10	Support RS232; (9Pin, 2x5Pin, 2.54mm)
	COM3, COM4	Option RS232/422/485; (9Pin, 2x5Pin, 2.54mm)
	COM6	Option RS232/485; (9Pin, 2x5Pin, 2.54mm)
	1xJPCOM1/2/3 pin	Control the 9th pin of the COM1/2/3 to choose optional 0V/5V/12V. (6Pin, 2x3Pin, 2.0mm)
Other I/O	1xJLPT pin	Parallel port, standard print port pin. (25Pin, 2x13Pin, 2.0mm)
	1xSIM card slot	Support SIM card. A SIM card is required when using 3G/4G function.
	1xCLR_CMOS pin	Motherboard discharges, clears pin. (3Pin, 1x3Pin, 2.54mm)
	1xPS/2 pin	Standard PS/2 interface pin (7Pin, 1x7Pin, 2.0mm)
	2xFAN pins	Fan pin (3Pin, 1x3Pin, 2.54mm)
	1xJ_GPIO pin	GPIO control pin (10Pin, 2x5Pin, 2.0mm)
Operating Environment	Operating temperature:-20°C~60°C; Working humidity:5%~95% Relative humidity, no condensation.	
BIOS	AMI BIOS; Support power on, timing switch, remote switch, intelligently identify devices.	
Watch Dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating System	Compatible with Windows 10, Windows 8, Windows 7, Linux, etc.	