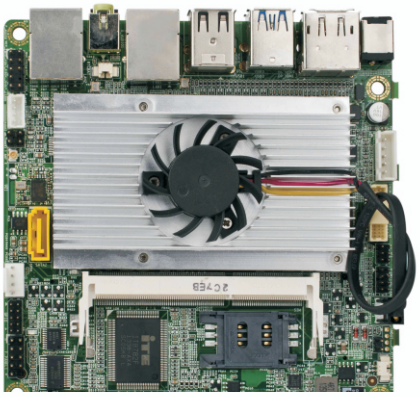
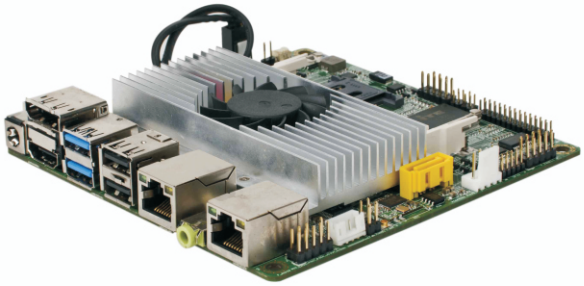
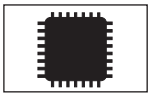
DS-2019

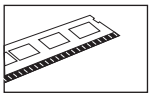
AMD® KabiniG-SOC high-performance, full HD digital signage motherboard

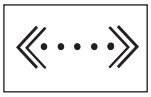


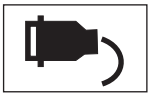



AMD Kabini G-SOC

Mini PCIe


SODIMM
DDR3 1600


Gigabit LAN


LVDS+HDMI+DP

Specification

Processor	CPU	AMD®KabiniG-SOC Series APU 1.5-2.0GHz Dual/Quad core
	CPU Package	Onboard
	Chipset	AMD® KabiniG-SOC Series APU
	BIOS	AMI EFI BIOS
Memory	Architecture	DDR3 1600MT/s
	Capacity	Max. 8GB
	Socket	1 * 204pin SO-DIMM socket
Display	Graphic Controller	AMD® RadeonTM HD8 series, support DirectX® 11
	LVDS	Support dual channel 18/24 bit
		Max. resolution: 1920 * 1080 (Support 1080P)
	VGA	N/A
		N/A
	HDMI	Support HDMI 1.3A type, 19 pin
		Max. resolution: 1920 * 1200
	Display Port	Display Port 1.2
		Max. resolution: 2560 * 1600
	Dual Display	HDMI+LVDS, DisplayPort+HDMI
LAN	Controller	LAN1: Realtek 8111E GbE Lan
		LAN2: Realtek 8111E GbE Lan
	WIFI	USB Signal RTL8188 WIFI module, support 802.11N/G/B
Audio	Controller	Realtek ALC662 HDaudio decoder (left&right channel + Mic)
		Support 2W@8Ω amplifier
Super I/O	Controller	ITE IT8782F, Support System temperature detection
H/W Monitor	Watch Dog Timer	Programmable 1 ~ 255 sec./min.; Support System Reset
	Fan	1 * 3 Pin DC Fan control
TPM	Controller	N/A
I/O	USB	6 * USB (4 * USB 2.0 /1.1 compatible + 2 * USB3.0)
	Serial Port	3 * RS-232, 1 * RS232/485 option
	Parallel Port	8 Bit programmer, 3.3V@24mA
	PS/2	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe socket, support 3G or WIFI
	USIM	1 * Standard SIM socket
Storage	SATA	1 * SATAIII, Max. transfer rate: 3Gb/s
	M-SATA	Half size Mini-PCIe, Support SSD
	IDE	N/A
	eSATA	N/A
	CF卡	N/A
Power	Power Type	DC-in 12V
	Power Consumption	Typical Power:15W
Environment	Operating Temp	- 0°C ~ 50°C
	Storage Temp	-40°C ~ 85°C
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	120 mm * 120 mm
	Weight	0.208Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Features

- AMD® Kabini G-SOC Dual/Quad Core
- Support Max. 8GB memory sockets
- AMD® RadeonTM HD8 series
- HDMI+DP/LVDS, support asynchronous dual display
- 6* USB, 4 * COM
- 1 * half size Mini-PCIe, support 3G or WIFI
  1 * half size mSATA, support SSD
- 2 * High-speed GbE Lan
- DC 12V input, high grade EFT 2KV protection
- FCC, CE, RoHS compliant
- Nano-ITX Form-factor

Ordering Information

DS-2019-QF
AMD® G-SOC Quad-core 1.5GHz, DP/HDMI/LVDS,3*RS232, 1*RS232/485 option, 6*USB, 2*GbE LAN,WIFI
DS-2019-QS
AMD® G-SOC Quad-core 1.5GHz, HDMI/LVDS,4*RS232, 6*USB, 1*GbE LAN,WIFI
DS-2019-DS
AMD® G-SOC Dual-core 1.65GHz, DP/HDMI,4*RS232, 6*USB, 2*GbE LAN,WIFI