

EC7-1823 Mini-ITX Motherboard with Intel® BayTrail

Brief Introduction

EC7-1823 is a standard Mini-ITX motherboard with Intel® BayTrail SoC, support Intel® Celeron® J1900 processor and up to 8GB RAM. EC7-1823 also features with rich I/O and expansion including 2 x LAN, 7 x USB, 6 x COM, VGA, HDMI, LVDS, Audio, GPIO , PCIE.



Features

Intel® BayTrail Celeron® J1900

1 x 204PIN DDR3L SO-DIMM support up to 8GB

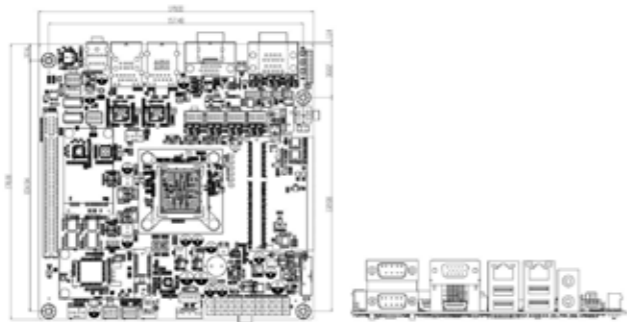
VGA + HDMI + LVDS, support dual-independent display

2 x LAN, 7 x USB, 6 x COM

1 x PCIEx16, 1 x Mini PCIE, 1 x SIM, 1 x mSATA

ATX power supply, DC 12V

Product size chart



(Company : MM)

Specifications

Items	Specification
Chipset	Intel® BayTrail
CPU	Intel® Celeron® J1900
Memory	1 x 204PIN DDR3L SO-DIMM Non-ECC, up to 8GB
Storage	1 x SATA 2.0, 1 x mSATA
LAN	2 x 10/100/1000Mbps RJ45 LAN1: Intel® I211 controller, support wake-on-line and PXE boot LAN2: Intel® I211 controller
Rear I/O	1 x VGA, 1 x HDMI, support dual-independent display HDMI only in EC7-1823-J1900SP and EC7-1823-J1900DC
	1 x USB 3.0, 3 x USB 2.0
	2 x Serial ports, support RS232/R422/485 auto-flow control in RS485
	2 x 10/100/1000Mbps RJ45
	Audio, support Mic-in, Line-out
Internal I/O	1 x PS/2 (In EC7-1823-DC)
	1 x LVDS, support dual-channel 24bit
	3 x USB 2.0
	4 x Serial ports, support RS232
	1 x SATA 2.0, 1 x mSATA
Expansion	1 x 16ch GPIO
	1 x PS/2 (In EC7-1823-J1900, EC7-1823-SP)
	1 x PCIEx1, support PCIE 2.0 1 x Mini PCIE with SIM card holder
Watchdog Timer	1 ~ 255sec/min timer system reset or interrupt
Power Supply	ATX power supply (EC7-1823-J1900) DC 12V (4 PIN) (EC7-1823-J1900SP) DC 12V (3 PIN DC Jack) (EC7-1823-J1900DC)
Operating System	Win7, Win8, Win10, Win7E, Linux
Environment	Operating temperature: -10 ~ 60 Storage temperature: -20 ~ 85 Humidity: 5% ~ 95% Non-condensing
Dimensions(L x W)	170mm x 170mm

Ordering Information

P/N	Model	Description
0030-022081	EC7-1823-J1900	Mini-ITX MB/Intel® BayTrail/Celeron® J1900/1 x 204PIN DDR3L SO-DIMM/SATA/mSATA/VGA/LVDS/2LAN/7USB/6COM/Audio/16ch GPIO/PS2/ 1 x PCIEx1/1 x Mini PCIE/1 x SIM/ATX power supply
0030-022191	EC7-1823-J1900SP	Mini-ITX MB/Intel® BayTrail/Celeron® J1900/1 x 204PIN DDR3L SO-DIMM/SATA/mSATA/VGA/HDMI/LVDS/2LAN/7USB/6COM/Audio/16ch GPIO/PS2/1 x PCIEx1/1 x Mini PCIE/1 x SIM/DC 12V 4PIN
0030-022241	EC7-1823-J1900DC	Mini-ITX MB/Intel® BayTrail/Celeron® J1900/1 x 204PIN DDR3L SO-DIMM/SATA/mSATA/VGA/HDMI/LVDS/2LAN/7USB/6COM/Audio/16ch GPIO/PS2/1 x PCIEx1/1 x Mini PCIE/1 x SIM/DC 12V Jack