MEC-5031

Low-power Fanless High-performance Embedded Computer

(Dual-expansion)

(Ultra-slim)

(Quad-expansion)

Features:

◆ Flexible forms

◆ Multiple communication ports

◆ Fanless design, high reliability, wide temperature design

◆ Energy saving, environmentally friendly, ergonomic design

Product size chart

233

238.3
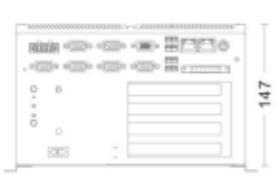
(Quad-expansion)   147

(Ultra-slim)   60
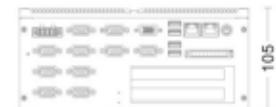
(Dual-expansion)   105

(Company：mm)

Specifications

System	Processor	Onboard Intel@ ATOM™ D525 1.8G CPU /Intel® Celeron® J1900 2.0Ghz Quad-core CPU
	Chipset	ICH8M/Bay Trail
	Memory	Standard configuration: one 2GB DDR3 SO-DIMM memory, supporting up to 4GB memory capacity/two SO-DIMM slots, supporting up to 8GB memory capacity.
Display	VGA	1 x VGA(maximum resolution:2048 x 1536)
	DVI	1 x DVI-I(maximum resolution:1600 x 1200(D525), maximum resolution: 1920 x 1200(Bay Trail)
	HDMI	1 x HDMI (maximum resolution: 1920 x 1200; support 1366 x 768) (Bay Trail)
I/O interface	LAN	2 x 10/100/1000Mbps RJ45 LAN port; LAN1 supports Wake-On-LAN
	Serial Port	6~10 COM ports (COM1~COM6 are RS-232/422/485 optional, COM7~COM10 are RS-232, depending on the configuration)
	USB	6 x USB2.0 port (2 x USB on the front panel); Support one USB 3.0 (Bay Trail)
	PS/2	1 x KB/MS
	GPIO	1 x 8-channel digital I/O port (terminal connector) / 1 x 32-channel digital I/O port (DB44 connector)
	LPT	1 x LPT (optional)
	Audio	1 group of Audio ports, supporting line-in and line-out
Storage	HDD	Standard configuration: 2 x 2.5-inch HDD bay, supporting up to two 2.5-inch HDD bays
	CF	1 x CF card slot (front panel/side panel; optional)
	M-SATA	1 x M-SATA interface
Expansion bus		1 x MiniPCIE expansion slot; 1 x Mini-PCIe (SATA+USB)expansion slot
		1 x SIM card slot; 2 x PCI or PCI-E; 4 x PCI or PCI-E
Operating Temperature		-20℃ ~ 70℃; (wide temperature CF card/SSD)
		-5℃ ~ 50℃ (monitoring-level HDD)
		5% ~ 90% 40℃ (non-condensing)
Storage Temperature		-40℃ ~ 70℃; 5% ~ 90% 40℃ (non-condensing)
Power Supply		Supports 9 ~ 30V DC wide voltage input, or by 90W AC external adapter
Dimensions(W x H x D)		Ultra-slim: 238.3mm (W) × 60mm(H) × 233mm(D) Dual-expansion: 238.3mm (W) × 105mm (H) × 233mm(D) Quad-expansion: 238.3mm (W) × 147mm (H) × 233mm(D)

Ordering Information

Part Number	Model Number	Description
0010–070451	MEC–5031–01	Low–power fanless embedded PC with ATOM D525 1.86G/2G memory/6 x COM port (RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI–I/2 x LAN port/1 group of Audio ports/6 x USB/8–channel GPIO/monitoring–level 500G HDD/supports M–SATA/CF card storage/supports 2 x MiniPCI–E/SIM card/DC12V~24V input/60W adapter
0010–074251	MEC–5031–02	Low–power fanless embedded PC with ATOM D525 1.86G/2G memory/2 x COM port (RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x LAN port/1 group of Audio ports/6 x USB/monitoring–level 500G HDD/supports M–SATA/CF card storage/supports 2 x MiniPCI–E/SIM card/DC12V~24V input/60W adapter
0010–070431	MEC–5031–2P–01	Low–power fanless embedded PC with ATOM D525 1.86G/2G memory/10 x COM port (COM1~COM6, RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x LAN port/1 group of Audio ports/6 x USB/8–channel GPIO/monitoring–level 500G HDD/supports M–SATA/CF card storage/supports 2 x MiniPCI–E/SIM card/DC12V~24V input/90W adapter/2 x PCI expansion slot
0010–074231	MEC–5031–2P–02	Low–power fanless embedded PC with ATOM D525 1.86G/2G memory/10 x COM port (COM1~COM6, RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x LAN port/1 group of Audio ports/6 x USB/1 x LPT/monitoring–level 500G HDD/supports M–SATA/CF card storage/supports 2 x MiniPCI–E/SIM card/DC12V~24V input/90W adapter/2 x PCI expansion slot
0010–070441	MEC–5031–4P–01	Low–power fanless embedded PC with ATOM D525 1.86G/2G memory/6 x COM port (RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x LAN port/4 x USB/8–channel GPIO /monitoring–level 500G HDD/supports M–SATA/CF card storage/supports MiniPCI–E/SIM card/DC12V~24V input/90W adapter/4 x PCI expansion slot
0010–085711	MEC–5031–4P–03	Low–power fanless embedded PC with ATOM D525 1.86G/2G memory/6 x COM port(RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x Lan port/4 x USB /8–channel GPIO / monitoring–level 500G HDD / supports M–SATA/CF card storage /support MiniPCI–E/SIM card slot/DC12V~24V input/90W adapter/4 x PCI slots

0020-059001	MEC-5031-2P-04	Low-power fanless embedded PC with ATOM D525 1.86G/2G memory/10 x COM port(COM1~COM6, RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x LAN port/1 group of Audio ports/6 x USB/8-channel GPIO/2.5" HDD Bays/Supports M-SATA/CF card storage/supports MiniPCI-E/SIM card/DC12V~24V input/without power supply/2 x PCI expansion slot
0010-086351	MEC-5031-11	Intel Quad core J1900 2.0G/4G DDR/6 x Com ports(RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI-D/1 x HDMI/2 x Lan port/A group of Audio/6 x USB/32-channel GPIO/Monitoring 500G HDD/CF Card slot/Support MiniPCI-E/SIM card slot/DC12V~24V input/60W adapter
0010-086361	MEC-5031-2P-11	Intel Quad core J1900 2.0G/4G DDR/10 x Com ports(COM1~COM6,RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI-D/1 x HDMI/2 x Lan port/A group of Audio/6 x USB/32-channel GPIO/Monitoring 500G HDD/CF Card slot/Support MiniPCI-E/SIM card slot/DC12V~24V input/90W adapter/2 x PCI slot
0010-086371	MEC-5031-4P-11	Intel Quad core J1900 2.0G/4G DDR/6 x Com ports(RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x Lan port/4 x USB/32-channel GPIO/Monitoring 500G HDD/CF Card slot/Support 2 x MiniPCI-E/SIM card slot/DC12V~24V input/90W adapter/4 x PCI slot