MEC-5071

Intel 4th-generation Core High-performance Fanless Embedded Computer

(Dual-expansion)

(Ultra-slim)

(Quad-expansion)

Features:

◆ Ultra-slim, multi-expansion, multi-form fanless complete PC ;

◆ High configuration, high reliability, flexible configuration of modules, fast model selection;

◆ Wide temperature all-solid capacitor design, multiple communication ports, national 3C certification passed;

◆ Independent micro-control system, a broad range of application markets ;

Product size chart

238.3

233

(Quad-expansion)

161.66

74.2

(Ultra-slim)

120.88
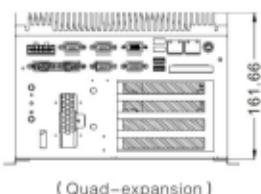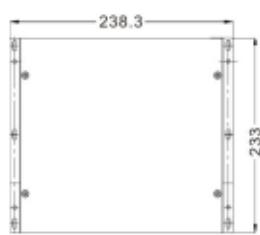
(Dual-expansion)

(Company: mm)

Specifications

System	Processor	QM87:Intel®Core™ I7–4712HQ, I5–4410E, I3–4110E, Celeron™ 2000E processor
	Chipset	Mobile Intel® QM87 Express chipset
	Memory	Standard configuration: 1 x 2GB DDR3 SO–DIMM memory, supporting up to two SO–SIMM slots and 16GB memory capacity
Display	VGA	1 x VGA(maximum resolution:1920 x 1200)
	DVI	1 x DVI–D (maximum resolution 1920 X 1200)
	HDMI	1 x HDMI (maximum resolution: 3840 X 2160)
	Display	1 x Display Port (maximum resolution 2560 X 1600)
	LVDS	Built–in LVDS port
I/O interface	LAN	2 x 10/100/1000Mbps RJ45 LAN port; LAN1 supports Wake–On–LAN
	COM Port	6~10 x COM port (COM1~COM6 are RS–232/422/485 optional)
	USB	6 x USB2.0 port (2 x USB ports on the front panel; 2 x USB3.0 port)
	PS/2	1 x KB/MS
	GPIO	1x 8–channel digital I/O port (terminal connector)/1 x 32–channel digital I/O port(optional)
	LPT	1 x LPT port (optional)
	Audio	1 group of AUDIO ports, supporting Line–in, Line –out
Storage	HDD	Standard configuration: 2 x 2.5–inch HDD bay, supporting up to two 2.5–inch HDD bay
	CF	1 x CF card slot (front panel)
	Serial ATA	1 x M–SATA interface
Expansion bus		2 x MiniPCIE expansion slot (one of them is only SATA+USB), 1 x SIM card slot
		2 x PCI or 1 x PCI, 1 x PCI–E expansion slot
		4 x PCI or 2 x PCI, 2 x PCI–E expansion slot
		4 x PCI(EPI) expansion slot
Operating Temperature		–20℃ ~ 60℃; (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
Operation System	WIN7/WIN8/ WINCE/WIN7E/LINUX(2.6 kernel)/Vxworks
Dimensions(W x H x D)	Ultra-slim: 238.3mm × 74.2mm × 233mm Dual-expansion: 238.3mm × 120.88mm × 233mm Quad-expansion: 238.3mm × 161.66mm × 233mm

Ordering Information

Part Number	Model Number	Description
0010-078521	MEC-5071-01	Low power fanless embedded PC with QM87 chipset/I5-4410E 2.9G/2G memory/6 xCOM port (RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI/1 x HDMI/1 x DisplayPort/2 x LAN port/1 group of Audio ports/6 x USB (2 x USB3.0)/8-channel GPIO/monitoring-level 500G HDD/supports M-SATA/supports 1 x CF card/supports MiniPCI-E/SIM card/DC12V~24V input/60W adapter
0010-087191	MEC-5071-H81-01/ 4570TE/2G/500G/GPIO	Low-power fanless embedded PC with H81 chipset/I5-4570TE 2.7G/2G memory/6 x COM port(COM1~COM6, S232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI/1 x HDMI/2 x Lan port/1 group of Audio ports/6 x USB(2 x USB3.0)/1 x 32-channel GPIO/monitering 500G HDD/Support M-SATA/CF card storage/supports MiniPCI-E/SIM card/DC12V~24V input/90W Power supply
0010-078531	MEC-5071-02	Low power fanless embedded PC with QM87 chipset/I3-4110E 2.6G/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 (2 x USB3.0)/monitoring-level 500G HDD/supports M-SATA/supports 1 x CF card/supports MiniPCI-E/SIM card/DC12V~24V input/60W adapter
0010-078541	MEC-5071-2P-01	Low power fanless embedded PC with QM87 chipset/ I5-4410E 2.9G/2G memory/10 x COM port (COM1~COM6, RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI/1 x HDMI/1 x DisplayPort/2 x LAN port/1 group of Audio ports/6 x USB (2 x USB3.0)/8-channel GPIO/monitoring-level 500G HDD/supports M-SATA/supports 1 x CF card/supports MiniPCI-E/SIM card/DC12V~24V input/90W adapter/2 x PCI expansion slot
0010-085251	MEC-5071-H81-2P-01	Low-power fanless embedded PC with H81 chipset/G3320TE 2.3G/2G memory/10 x COM port(COM1~COM6,RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI /1 x Display Port/2 x LAN Port/1 group of Audio ports/6 x USB(2 x USB3.0)/1 x LPT/monitoring-level 500G HDD/Supports M-SATA/CF card storage/supports MiniPCI-E/SIM card/DC12V~24V input/90W Power supply/2 x PCI Expansion slot

0010–078551	MEC–5071–2P–02	Low power fanless embedded PC with QM87 chipset/ I3–4110E 2.6G/2G memory/10 x COM port (COM1~COM6, RS232/485/422 optional)/1 x PS/2 port /1 x VGA/1 x DVI/1 x HDMI/1 x DisplayPort/2 x LAN port/1 group of Audio ports/6 x USB(2 x USB3.0)/1 x LPT/ monitoring–level 500G HDD/supports M–SATA/supports 1 x CF card/supports MiniPCI–E/SIM card/DC12V~24V input/90W adapter/2 x PCI expansion slot
0010–085241	MEC–5071–H81–2P–02	Low–power fanless embedded PC with H81 chipset/I3–4330TE 2.4G/4G memory/10 x COM port(COM1~COM6, RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI /1 x HDMI/2 x LAN Port/1 group of Audio ports/6 x USB(2 x USB3.0)/1 x LPT/SSD 128G/Supports M–SATA/CF card storage/supports MiniPCI–E/SIM card/DC12V~24V input/90W Power supply/2 x PCI Expansion slot
0010–086611	MEC–5071–H81–2P–04/ 4330TE/4G/500G/32GPIO	Low–power fanless embedded PC with H81 chipset/I3–4330TE 2.4G/4G memory/10 x COM port(COM1~COM6, RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI /1 x HDMI/2 x LAN Port/1 group of Audio ports/6 x USB(2 x USB3.0)/1 x 32–channel GPIO/monitering 500G HDD/Support M–SATA/CF card storage/supports MiniPCI–E/SIM card/DC12V~24V input/90W Power supply/2 x PCI Expansion slot
0010–078561	MEC–5071–4P–01	Low power fanless embedded PC with QM87 chipset/I5–4410E 2.9G/2G memory/6 x COM port (RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x LAN port/1 group of Audio ports/4 x USB(2 x USB3.0)/ 8–channel GPIO/ monitoring–level 500G HDD/supports M–SATA/supports 1 x CF card/supports MiniPCI–E/SIM card/DC12V~24V input/90W adapter/4 x PCI expansion slot
0010–087201	MEC–5071–H81–4P–01 /4570TE/2G/500G/GPIO	Low–power fanless embedded PC with H81 chipset/I5–4570TE 2.7G/2G memory/6 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/4 x USB(2 x USB3.0)/1 x 32–channel GPIO/monitering 500G HDD/Support M–SATA/CF card storage/supports MiniPCI–E/SIM card/DC12V~24V input/90W Power supply/4 x PCI Expansion slot
0010–078571	MEC–5071–4P–02	Low power fanless embedded PC with QM87 chipset/I7–4712HQ 2.3G/2G memory/6 x COM port (RS232/485/422 optional)/1 x PS/2 port/1 x VGA/2 x LAN port/1 group of Audio ports/4 x USB(2 x USB3.0)/ 8–channel GPIO/ monitoring–level 500G HDD/supports M–SATA/supports 1 x CF card/ supports MiniPCI–E/SIM card/DC12V~24V input/90W adapter/ 2*PCI, 2*PCIE
0010–086381	MEC–5071–H81–2P–03	Low–power fanless embedded PC with H81 chipset/I5–4570TE 2.7G/2G memory/10 x COM port(COM1~COM6,RS232/485/422 optional)/1 x PS/2 port/1 x VGA/1 x DVI/1 x HDMI/2 x Lan port/1 group of Audio ports /6 x USB(2 x USB3.0)/ 8–channel GPIO / monitoring–level 500G HDD /support M–SATA/support 1 x CF card slot/support MiniPCI–E/SIM card slot/DC12V~24V input/90W adapter/2 x PCI slots