

MIC-770

Intel® 第八代Core™ i 台式处理器 (LGA 1151)紧凑型无风扇系统

NEW



特性

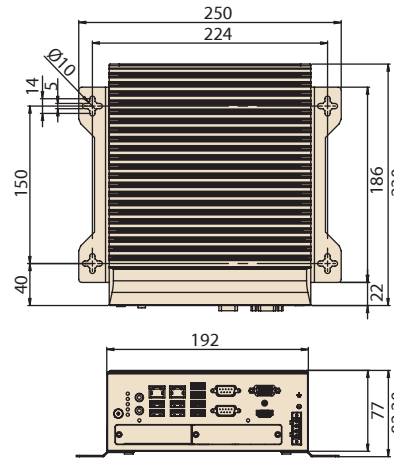
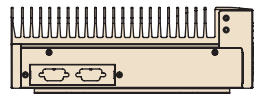
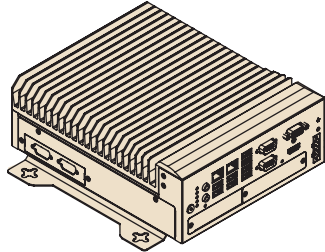
- Intel® 第八代Core™ i 台式机处理器(LGA1151), 带 Intel® Q370/H310芯片组
- 支持宽温: -10 ~ 50 ° C
- 支持VGA和HDMI输出
- 2 x GigaLAN, 2 x USB 3.1和 6 x USB 3.0
- 2 x RS-232/422/485 和 4 x RS232 串口 (可选)
- 1 x 2.5" HDD/SSD 和 1 x mSATA
- 宽电压输入: 9 ~ 36 V_{DC}
- 支持FlexIO和iDoor技术, 灵活配置附加HDMI, DVI, 串口, DIO远程开关IO
- 支持研华i-Modules
- 支持研华SUSI-API 和嵌入式软件APIs



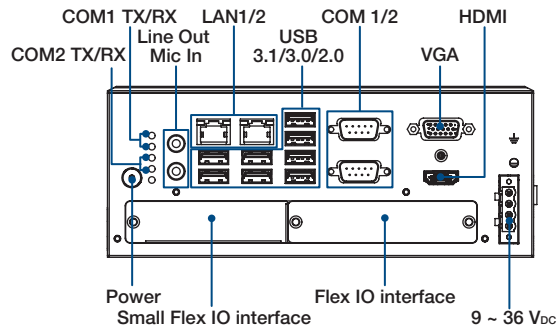
规格

第八代处理器 (TDP 35W)	CPU	i7-8700T	i5-8500T			
	核心/线程	6/12	6/6			
	主频	2.4GHz	2.1GHz			
	最大速度	4.0GHz	3.5GHz			
	三级缓存	12MB	9MB			
	温度	-10 ~ 50 ° C (带SSD) (w/ 工业SSD, 0.7 m/s 空气流)				
	芯片组	Q370/H310				
BIOS	AMI 256Mb SPI Flash					
第八代处理器 (TDP 65W)	CPU	i7-8700	i5-8500	i3-8100	G5400	G4900
	核心/线程	6/12	6/6	4/4	2/4	2/2
	主频	3.2GHz	3.0GHz	3.6GHz	3.7GHz	2.9GHz
	最大速度	4.6GHz	4.1GHz			
	三级缓存	12MB	9MB	6MB	4MB	2MB
	温度	-10 ~ 40 ° C (带SSD) (w/ 工业SSD, 0.7 m/s空气流)				
	芯片组	Q370/H310				
BIOS	AMI 256Mb SPI Flash					
内存	技术	DDR4 2400/2666 MHz		ECC		
	槽	2 x 260-pin DDR4 SODIMM		32GB		
显示	芯片组	Q370	Intel® HD Graphics 630	DirectX 12		
	VGA	H310	Intel® HD Graphics 610	DirectX 12		
	HDMI	1 x DB15		1920 x 1200		
	显	1 x HDMI		4096 x 2160@ 30Hz		
以太网	器	Q370	LAN1: Intel® I219LM, LAN2: Intel® i210IT			
	f	H310	LAN1: Intel® I219V, LAN2: Intel® i210IT			
存储	HDD	1 x 2.5" HDD/SSD				
	N45	1				
I/O	3**%	0/1/5/10 (MIC-770Q only)				
	USB	Q370: 2 x USB3.1, 6 x USB3.0 and 1 x internal USB 2.0 H310: 4 x USB 3.0 and 4 x USB 2.0				
	/	2 x DB9, 2 x RS-232/422/485 support auto flow control; 4 x RS-232 (Optional) 2 (1 x line out and 1 x mic in)				
扩展槽	扩展 槽	Supports Advantech i-Modules				
	J0J1*F	Q370: 1 x mini PCIe (via USIM), 1 x mini PCIe/mSATA H310: 1 x mini PCIe (via USIM), 1 x mSATA				
LED和开关	LED	2 (1 x Storage and 1 x Power), 4 for COM1 TX/RX and COM2 TX/RX				
	-	1 x Power on/off switch				
电源	规	ATX/AT				
		9 ~ 36 V _{DC} Typical: 32.062W Maximum: 116.002W				
看门狗定时器	输出	System reset				
	%	Programmable 1 ~ 255 sec/min				
环境	温度	65W CPU w/ industrial SSD		35W CPU w/ industrial SSD		
		-10 ~ 40 ° C with 0.7 m/s		-10 ~ 50 ° C with 0.7 m/s air flow		
		95% @ 40 ° C				
	M®	SSD	3 Grms @ 5 ~ 500 Hz	1 hr/axis		
外观	Cc	2.5" HDD	1 Grms @ 5 ~ 500 Hz	1 hr/axis		
	(W x H x D)	SSD	20G IEC-68-2-27	11 ms		
安规	安 式	77 x 192 x 230 mm 3.07" x 7.55" x 9.05"				
		2.8 kg 6.17 lbs				
软件支持	EMC	CE/FCC Class A, CCC,				
	安规	BSMI CBUL, CCC, BSMI				
		Windows 10	Windows 10 IoT	Windows Server 2016/2019	Win 10	Linux OS

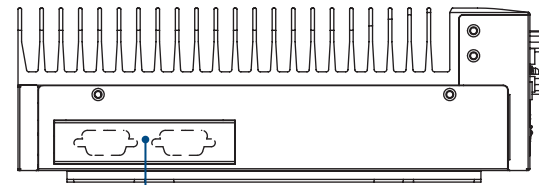
Dimensions



Front View



Side View



iDoor or 2 x RS-232 expansion slots

Ordering Information

Part Number	VGA	HDMI	2.5" HDD/SSD	mSATA	USB 3.1	USB 3.0	USB 2.0	GbE	COM	PCIe	Power
MIC-770Q-00A1	1	1	1	1	2	6	0	2	2, up to 6 (Optional)	i-Module (optional)*	9 ~ 36V _{DC}
MIC-770H-00A1	1	1	1	1	0	4	4	2	2, up to 6 (Optional)	i-Module (optional)*	9 ~ 36V _{DC}

*MIC-770H does not support MIC-75M40 or MIC-75M20-01

Packing List

Part Number	Description	Quantity
MIC-770	MIC-770 bare system	1
2041077000	MIC-770 startup manual (ENG+TC+SC)	1
1652003234	4-pin Phoenix power connector	1
1960070543T001	2 x Mounting bracket	2
1700013095	SATA cable	1
1700024372-01	SATA power cable	1
2170000093-01	CPU thermal grease	1
1990019498N000	RAM thermal pad	2

Optional i-Modules*

Part Number	Description
MIC-75M40 (Q370)	4-slot expansion module (4 x PCIe slots)
MIC-75M13	4-slot expansion module (1 x PCIe and 3 x PCI slots)
MIC-75M20	2-slot expansion module (2 x PCIe slots)
MIC-75M20-01 (Q370)	2-slot expansion module (2 x PCIe slots)
MIC-75M11	2-slot expansion module (1 x PCIe and 1 x PCI slots)
MIC-75M10	1-slot expansion module (1 x PCIe)
MIC-75G20	GPU Card expansion module (2 x PCIe and 2 x removable 2.5" storage bay)
MIC-75S20	2-slot expansion and storage module (2 x PCIe and 2 x 2.5 hot swappable HDDs)

*Please refer to i-Module datasheet for more detail.

Optional Accessories

Part Number	Description
96PSA-A220W24P4-1*	Adaptor A/D, 100-240V, 220W, 24V
96PSA-A150W19P4-1**	Adaptor A/D, 100-240V, 150W, 19V
1702002600	Power cord (USA) UL/CSA, 3-pin, 10A, 125V, 1.83 M, 180 D
1700022940-01	Power cord PSE, 3-pin, 7A, 125V, 3 m, DAC-ST01
1702002605	Power cord (EU) 2-pin, 10/16A, 220V, 1.83 M, 90 D
AIIS-DIO32-00A1E ***	AIIS GPIO module (32 bit)
PCA-TPM-00B1E	TPM 2.0 module
98R1750000E	MIC DVI kit FIO
98R1750030E	MIC HDMI kit FIO
98R1750060E	MIC COMport kit FIO
98R1750070E	MIC Remote Switch kit for SFIO
98R1750080E	MIC Reset/Remote Switch/5VDC kit FIO
98R1750090E	MIC GPIO kit
98R1750020E	MIC Din Rail Mounting kit
98R1750050E	MIC Wall Mounting kit

Note:

* Suggest to use for MIC-770 with i-Module added.

** Suggest to use for MIC-770 without i-Module added.

*** AIIS-DIO32 requires a DB37 bracket (P/N: 196006878N001)

- MIC-770 supports Advantech iDoor modules (both MOS and PCM series), excluding the PoE model.
- The PCM series module requires a bracket (P/N: 1960065854N001) that must be ordered separately.

Embedded OS

Part Number	Description
20706WX9HS0005	img MIC-770H Win10 IOT Enterprise 2019 LTSC 64b high end
20706WX9VS0007	img MIC-770H Win10 IOT Enterprise 2019 LTSC 64b value
20706WX9ES0010	img MIC-770H Win10 IOT Enterprise 2019 LTSC 64b entry
20706WX9HS0004	img MIC-770Q Win10 IOT Enterprise 2019 LTSC 64b high end
20706WX9VS0006	img MIC-770Q Win10 IOT Enterprise 2019 LTSC 64b value
20706WX9ES0009	img MIC-770Q Win10 IOT Enterprise 2019 LTSC 64b entry