

# MIC-7700

## Intel® 第六/七代Core™ i台式机处理器 (LGA 1151)紧凑型无风扇系统

NEW



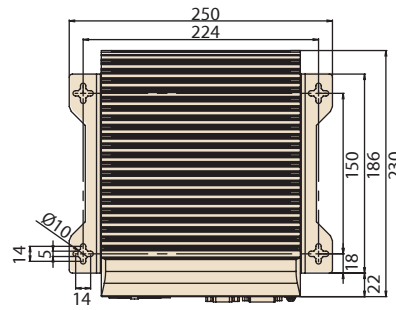
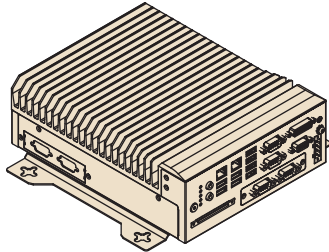
### 特性

- Intel® 第六/七代Core™ i台式机处理器 (LGA1151), 带 Intel® Q170/H110芯片组
- 支持宽温: -10 ~ 50 °C
- 支持VGA和DVI输出
- 2 x GigaLAN 和8 x USB 3.0
- 2 x RS-232/422/485 和 4 x RS232串口
- 1 x 2.5" HDD/SSD, 1 x CFAST和1 x mSATA
- 宽电压输入: 9 ~ 36 V<sub>DC</sub>
- 支持FlexIO和iDoor技术, 灵活配置附加 HDMI, DVI, DIO, 远程开关IO
- 支持研华i-Modules
- 支持研华SUSIAccess和嵌入式软件 APIs

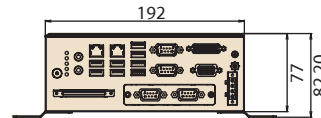
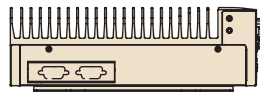
### 规格

		i7-6700TE	i5-6500TE	i3-6100TE	G4400TE
第六/七代处理器* (TDP 35W)	CPU	i7-6700TE	i5-6500TE	i3-6100TE	G4400TE
	核数量	4	4	2	2
	主频	2.4 GHz	2.3 GHz	2.7 GHz	2.9 GHz
	最大速度	3.4 GHz	3.3 GHz		
	三级缓存	8 MB	6 MB	4 MB	3 MB
	温度	-10 ~ 50 °C ( w/工业SSD, 0.7 m/s 空气流 )			
	芯片组	Q170/H110			
	BIOS	AMI 128Mb SPI Flash			
第六/七代处理器* (TDP 65W)	CPU	I	E	I	I
	核数量				
	主频	GH	GH	GH	GH
	最大速度	GH		GH	
	三级缓存	MB	MB	MB	MB
	温度	°CIIGX44%NTF6IH			
	芯片组	2)			
	BIOS	".*.C41*MBTI			
内存	技术	DDR	MH	ECC	
	插槽 最大容量	in DDR	SODIMM	插槽最	GB
显示	芯片组	CPU Intel HD Gra	ics	Direct	
	VGA	DB	最大		
	DVI	1 x DVI, up to 1920 x 1080 maximum resolution @ 30Mhz (with optional expansion cable for second DVI connector, or 1 x HDMI connector)			
	多显	Q170: 3 x independent displays (third display output via optional cable) H110: 2 x independent displays			
以太网	控制器	Q170 LAN1: Intel® i219LM, LAN2: Intel® i210IT H110 LAN1: Intel® i219V, LAN2: Intel® i210IT			
	界面	2 x RJ45			
存储	HDD	1 x 2.5" HDD/SSD			
	CFAST	1			
	mSATA	1			
	RAID	0/1/5/10 (MIC-7700Q only)			
	SATA连接器	Q170: 3 x SATA signal, 3 x SATA power H110: 1 x SATA signal, 1x SATA power			
I/O	USB	Q170: 8 x USB 3.0 and 1 x internal USB 2.0 H110: 4 x USB 3.0 and 4 x USB 2.0			
	串口	2 x DB9, 2 x RS-232/422/485 support auto flow control; 4 x RS-232 (with expansion cable)			
	音频	2 (1 x line out and 1 x mic in)			
扩展槽	扩展模块	Supports Advantech i-Modules			
	Mini PCIe	Q170: 1 x mini PCIe (via USIM), 1 x mini PCIe/mSATA H110: 1 x mini PCIe (via USIM), 1 x mSATA			
LED和按钮	LED	2 (1 x Storage and 1 x Power), 4 for COM1 TX/RX and COM2 TX/RX			
	按钮	1 x Power on/off switch			
电源	规格	ATX/AT			
	电压	9 ~ 36 V <sub>DC</sub>			
	功耗	Typical: 32.062W Maximum: 116.002W			
看门狗定时器	输出	System reset			
	间隔	Programmable 1 ~ 255 sec/min			
环境	温度	65W CPU w/ industrial SSD -10 ~ 40 °C with 0.7 m/s air flow		35W CPU w/ industrial SSD -10 ~ 50 °C with 0.7 m/s air flow	
	湿度	95% @ 40 °C (non-condensing)			
	震动	With SSD: 3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis With 2.5" HDD: 1 Grms @ 5 ~ 500 Hz, random, 1 hr/axis			
	冲击	With SSD: 20G, IEC-68-2-27, half-sine wave, 11 ms duration 50G 11 ms			
	尺寸 (W x H x D)	77 x 192 x 230 mm (3.07" x 7.55" x 9.05")			
外观	重量	2.8 kg (6.17 lbs)			
	安装方式	Desktop/wall mount			
安规	EMC	CE/FCC Class A, CCC, BSMI			
	安全性	UL, CCC, BSMI			
支持的操作系统		7th Gen. CPU: Windows 10, Windows 10 IoT 6th Gen. CPU: Windows 10, Windows 10 IoT, Windows 8.1 (64 bit), Windows 7 MIC-7700Q: Windows Server 2016 Linux OS			

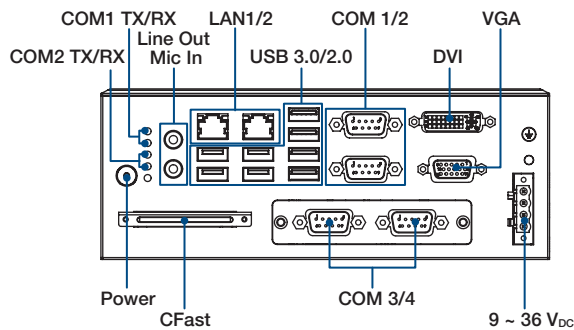
## Dimensions



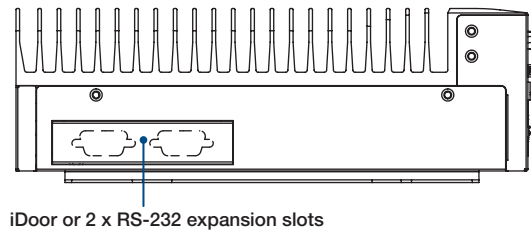
Unit: mm



## Front View



## Side View



## Ordering Information

Part Number	VGA	DVI	2.5" HDD/SSD	CFast	mSATA	USB 3.0	USB 2.0	GbE	COM	PCIe	Power
MIC-7700Q-00A1	1	1		1	1	8	0	2	4, up to 6 (Optional)	i-Module (optional)	9 ~ 36V <sub>dc</sub>
MIC-7700H-00A1	1	1	1	1	1	4	4	2	4, up to 6 (Optional)	i-Module (optional)*	9 ~ 36V <sub>dc</sub>

\*MIC-7700H does not support MIC-75M40 or MIC-75M20-01

## Packing List

Part Number	Description	Quantity
MIC-7700	MIC-7700 bare system	1
2061770010	Driver CD	1
2001770030	Startup manual EMC/NTC for MIC-7700 1st Ed	1
1652003234	4-pin Phoenix power connector	1
1960070543T001	Mounting bracket	2
1700013095	SATA cable	1
1700024372-01	SATA power cable	1
1701200220	Dual DB9 port cable (for COM5/COM6 expansion)	1
2170000093-01	CPU thermal grease	1
1990019498N000	RAM thermal pad	2

## 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
98R1750010E	MIC HDMI/Remote Switch kit FIO
98R1750030E	MIC HDMI kit FIO
98R1750040E	MIC Remote Switch kit FIO
98R1750080E	MIC Reset/Remote Switch/5VDC kit FIO
98R1750090E	MIC GPIO kit
9891790040E	Dual LAN module accessory kit

Note:

\* Suggest to use for MIC-7700 with i-Module added.

\*\* Suggest to use for MIC-7700 without i-Module added.

- MIC-7700 supports Advantech iDoor modules (both MOS and PCM series), excluding the PoE module.
- The PCM series module requires a bracket (P/N: 1960065854N001) that must be ordered separately.

## Optional i-Modules\*

Part Number	Description
MIC-75M40 (Q170 only)	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 (Q170 only)	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-75S20	2-slot expansion and storage module (2 x PCIe and 2 removable 2.5" storage bay)
MIC-75G20	GPU card expansion i-Module (2 x PCIe, 2 x removable 2.5" storage bay)

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

## Embedded OS

Part Number	Description
2070015330	img WES7P MIC-7700H 64b 1701 10 MUI
2070015331	img WES7P MIC-7700Q 64b 1701 10 MUI
20706WX9HS0008	img W10 19HL MIC-7700H 64b 1809 ENU
20706WX9VS0010	img W10 19VL MIC-7700H 64b 1809 ENU
20706WX9ES0013	img W10 19EL MIC-7700H 64b 1809 ENU
20706WX9HS0007	img W10 19HL MIC-7700Q 64b 1809 ENU
20706WX9VS0009	img W10 19VL MIC-7700Q 64b 1809 ENU
20706WX9ES0012	img W10 19EL MIC-7700Q 64b 1809 ENU