

i-Module Series

Expansion Module for MIC-7000 Series



Features

- Flexible expansion via PCIe/PCI slot
- MIC-7000 series compatible
- Optional smart fan for thermal optimization
- Provide additional 12Vdc power source for add-on card
- Maximum 85W for add-on card power consumption
- 2.5" storage bays for HDD/SSD expansion
- Hot Swappable HDD/SSD supported

Introduction

The i-Module series provide flexible expansion function for MIC-7000 series systems. MIC-7000 system accompanied with i-Module technology can fulfill diverse demands of customers.

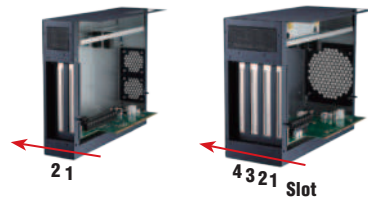
Compatible Table

Model	MIC-7500 / MIC-7700 / MIC-7900			MIC-7300	
1-Slot	MIC-75M10				
					
2-Slot	MIC-75M20	MIC-75M20-01*	MIC-75M11	MIC-73M20	MIC-73M11
					
4-Slot	MIC-75M40*	MIC-75M13	MIC-75S20	MIC-73M13	
					

*MIC-7700H doesn't support MIC-75M20-01 and MIC-75M40

Selection Table

i-Module slot number starts from the inner side, as the image on the right.



i-Module	MIC-75M10	MIC-75M11	MIC-75M20	MIC-75M20-01	MIC-75M40	MIC-75M13	MIC-75S20	MIC-73M20	MIC-73M11	MIC-73M13
Slot 1	PCIe x16	PCIe x16	PCIe x16	PCIe x8	PCIe x4	PCIe x16	PCIe x16	PCIe x1	PCIe x1	PCIe x1
Slot 2	-	PCI	PCIe x4	PCIe x8	PCIe x8	PCI	PCIe x4	PCIe x1	PCI	PCI
Slot 3	-	-	-	-	PCIe x4	PCI	-	-	-	PCI
Slot 4	-	-	-	-	PCIe x4	PCI	-	-	-	PCI
SATA Conn	-	1								
SATA PWR	-	1								
2.5" Storage Bay	-	1*			2		2x Hot Swap + 2x Internal**	1*		2
N.W. (kg)	0.64	0.87			1.16		1.60	0.87		1.16
G.W. (kg)	1.71	2.02			2.47		2.98	2.02		2.47
i-Module (W x H x D)	24 x 192 x 230	50 x 192 x 230			90 x 192 x 230			50 x 192 x 230		90 x 192 x 230
MIC-7000 + i-Module (W x H x D)	97 x 192 x 230	123 x 192 x 230			163 x 192 x 230			123 x 192 x 230		163 x 192 x 230
MIC-7700 + i-Module (W x H x D)	101 x 192 x 230	127 x 192 x 230			167 x 192 x 230			-		-
System Fan (Optional)***	-	4cm 98R17520000E			8cm 98R1751300E			4cm 98R17520000E		8cm 98R1751300E
12V _{DC} Conn	1									
PCI/PCIe Card Max. Length (with fan)	181mm									
PCI/PCIe Card Max. Length (without fan)	207mm									

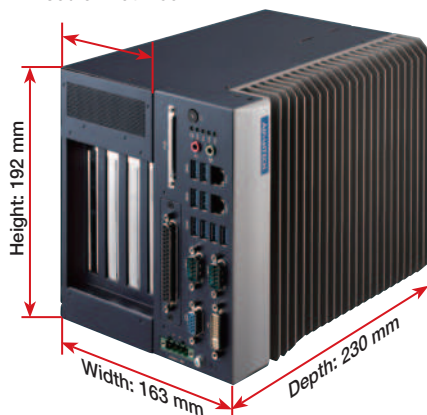
* Need to order 9891752010E

** MIC-7500 and MIC-7700H: 1x SATA Conn.; MIC-7700Q: 3x SATA Conn.; MIC-7900: 4x SATA Conn.

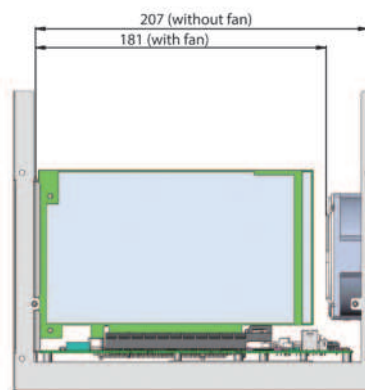
*** Suggest to add optional system fan if power consumption of add-on card is more than 45W for better thermal management.

Dimension Guide

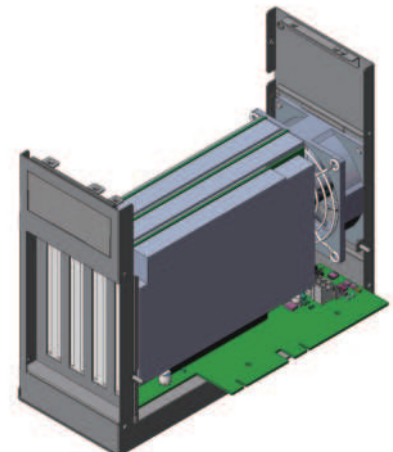
i-Module Width: 90 mm



Example: MIC-7500 + MIC-75M40



PCI/PCIe Card Max. Length Support

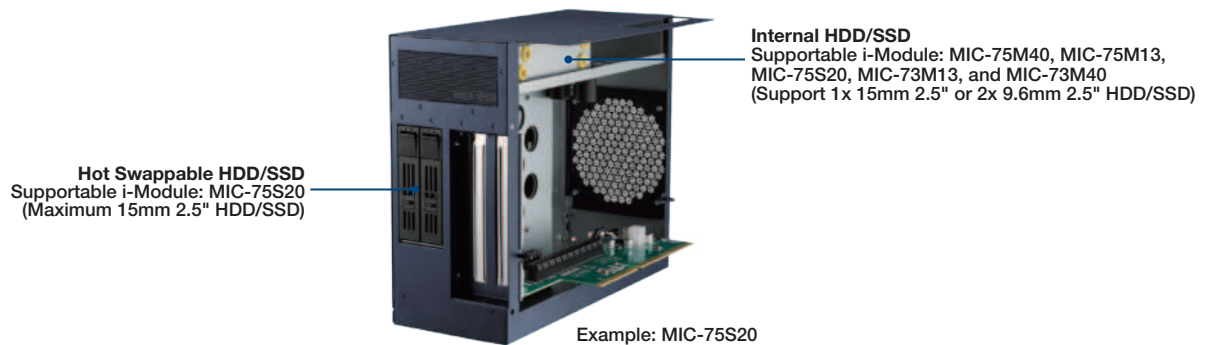


HDD / SSD Support Table

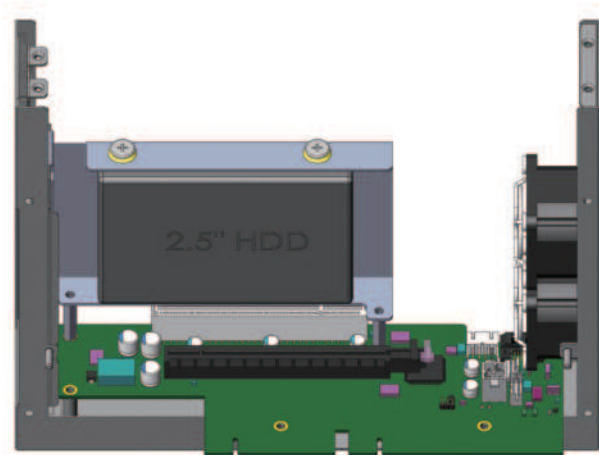
Every model of the MIC-7000 series can be installed with one HDD or SSD. With the i-Module, the numbers of supported HDD/SSD bay are as below:

Model	In i-Module	In MIC-7000	Max. No	Note
MIC-75M10	0	1	1	
MIC-75M20 MIC-75M20-01 MIC-75M11 MIC-73M20 MIC-73M11	1*	1	2	* Need to order 98R1752010E
MIC-75M40 MIC-75M13 MIC-73M13	2	1	3	With MIC-7900 or MIC-7700Q, it can support to 3 x HDD/SDDs.
MIC-75S20	2x Hot Swap + 2x Internal	1	5	With MIC-7900, it can support up to 5 x HDD/SDDs. With MIC-7700Q, it can support up to 4 x HDD/SDDs.

Note: i-Module BUS has only one channel SATA signal between i-Module and MIC-7000 system.



2nd HDD bracket for 2-slot i-Module



Ordering information: 98R1752010E

Supportable i-Module: MIC-75M20, MIC-75M11, MIC-73M20, and MIC-73M11

Limitation: Slot 2 will be occupied

Ordering Information

Part Number	Description
MIC-75M13-00A1E	4-slot expansion i-Module with 1 PCIe x16, 3 PCI
MIC-75M40-00A1E	4-slot expansion i-Module with 1 PCIe x8, 3 PCIe x4
MIC-75M11-00A1E	2-slot expansion i-Module with 1 PCIe x16, 1 PCI
MIC-75M20-00A1E	2-slot expansion i-Module with 1 PCIe x16, 1 PCIe x4
MIC-75M20-01A1E	2-slot expansion i-Module with 2 PCIe x 8
MIC-75M10-00A1	1-slot expansion i-Module with 1 PCIe x16
MIC-75S20-00A1E	2-slot expansion i-Module with 1 PCIe x16, 1 PCIe x4, 2 2.5" HDD bay
MIC-73M13-00A1E	4-slot expansion i-Module with 1 PCIe x1, 3 PCI
MIC-73M11-00A1E	2-slot expansion i-Module with 1 PCIe x1, 1 PCI
MIC-73M20-00A1E	2-slot expansion i-Module with 2 PCIe x1

Optional Accessories

Part Number	Description
98R1751300E	8-cm fan for 4-slot i-Modules
98R1752000E	2 x 4-cm fan for 2-slot i-Modules
98R1752010E	Secondary HDD bracket (for 2-slot i-Modules)