

i-Module Series

Expansion Module for MIC-7 Series







Features





- Flexible expansion via PCIe/PCI slot
- MIC-7 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
- Support 250W power consumption GPU card by GPU i-Module
- Expansion for 2.5" HDD/SSD bay
- Swappable HDD/SSD supported

Introduction

MIC i-Module Series provide flexible expansion function for MIC-7 Series system. MIC i-Module Series support PCIe/PCI I/F add-on card, such as frame grabber, GPU and motion control cards, etc.. Except for the power from PCIe/PCI slot, i-Module reserves additional 12VDC power via the on-board connector for cards that need more power. To better control over the heat generated from add-on cards, optional system fans are supported with intelligent Smart Fan feature for better thermal management. With additional HDD/SSD bays in i-Module, customer can have more rooms for massive data storage. Removable storage bays are also supported.

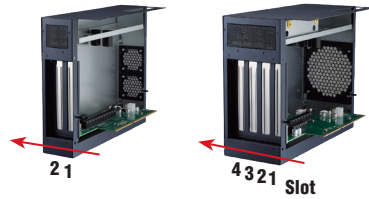
Compatible Table

i-Module	1-slot		2-slot	
	MIC-75M10	MIC-75M20	MIC-75M20-01	MIC-75M11
MIC-7 System				
MIC-7300	✓	✓	✓	✓
MIC-7500	✓	✓	✓	✓
MIC-770Q/7700Q	✓	✓	✓	✓
MIC-770H/7700H	✓	✓	—	✓
MIC-7900	✓	✓	✓	✓

i-Module	4-slot		Featured	
	MIC-75M40	MIC-75M13	MIC-75S20	MIC-75G20
MIC-7 System				
MIC-7300	—	✓	✓	—
MIC-7500	✓	✓	✓	✓
MIC-770Q/7700Q	✓	✓	✓	✓
MIC-770H/7700H	—	✓	✓	✓
MIC-7900	✓	✓	✓	✓

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-75G20
Slot 1	PCIe x16*	PCIe x16*	PCIe x4*	PCIe x8*	PCIe x4	PCIe x16*	PCIe x16*	PCIe x4
Slot 2	-	PCI	PCIe x16*	PCIe x8*	PCIe x8	PCI	PCIe x4*	-
Slot 3	-	-	-	-	PCIe x4	PCI	-	PCIe x16
Slot 4	-	-	-	-	PCIe x4	PCI	-	-
SATA Port	-				1			
SATA PWR	-				1			
2.5" HDD/SSD Bay	-	1**			2		2 x Swappable + 2 x Internal	2 x Swappable
N.W. (kg)	0.64	0.87			1.16		1.60	2.99
G.W. (kg)	1.71	2.02			2.47		2.98	4.79
i-Module (W x H x D)	24 x 192 x 230		50 x 192 x 230		90 x 192 x 230		110 x 192 x 350	
MIC-7000 + i-Module (W x H x D)	97 x 192 x 230		123 x 192 x 230		163 x 192 x 230		184 x 192 x 350	
MIC-77X + i-Module (W x H x D)	101 x 192 x 230		127 x 192 x 230		167 x 192 x 230		187 x 192 x 350	
System Fan	-	98R1752000E (Optional)***			98R1751300E (Optional)***		Embedded	
12V _{DC} Conn				1				
12V _{DC} Conn. for GPU				-		2		
PCI/PCIe Card Max. Length (with fan)	190.2 mm					184.75 mm		287.35 mm
PCI/PCIe Card Max. Length (without fan)				210.4 mm				

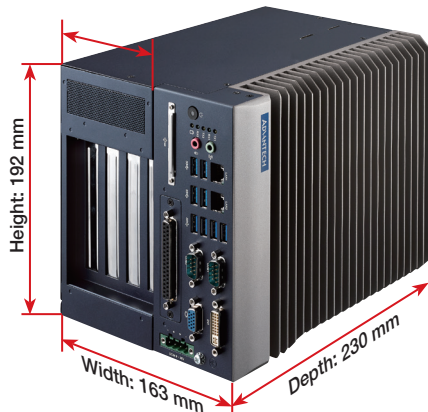
* If install on MIC-7300, this slot is PCIe x1 signal.

** Need to order 98R1752010E (2.5" HDD/SSD kit for 2-slot i-Module)

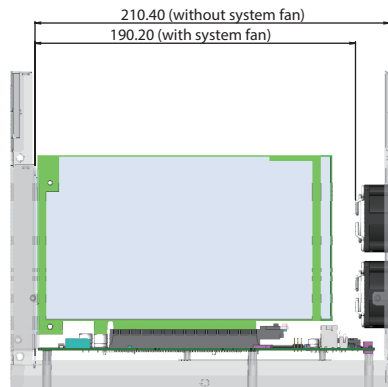
*** Suggest to add optional system fan if power consumption of add-on card is more than **45W** for better thermal management.

Dimension Guide

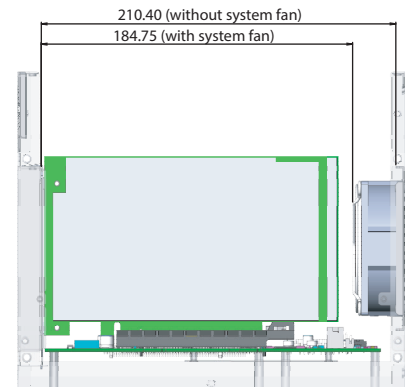
i-Module Width: 90 mm



i-Module Add-on card Dimension Guide



2-slot i-Module



4-slot i-Module

Example: MIC-7500 + MIC-75M40
Using MIC-77xx, width will be increased by 4mm.