

# 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.

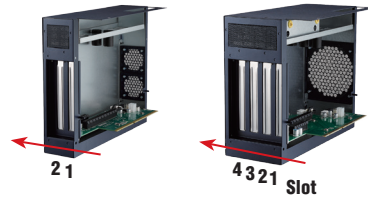
## Compatible Table

| 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 <sub>DC</sub> Conn                  | 1               |                  |           |              |                 |           |                             |                  |           |                 |
| PCI/PCIe Card Max. Length (with fan)    | 181mm           |                  |           |              |                 |           |                             |                  |           |                 |
| PCI/PCIe Card Max. Length (without fan) | 207mm           |                  |           |              |                 |           |                             |                  |           |                 |

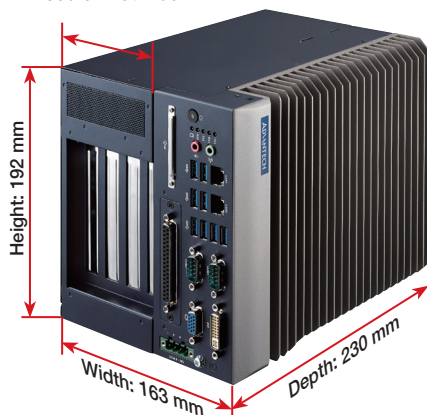
\* Need to order 9891752010E

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

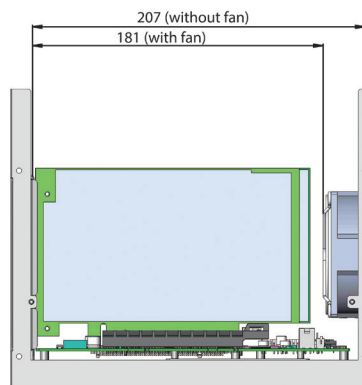
\*\*\* Suggest to add optional system fan if power consumption of add-on card is more than 45W for better thermal management.

## Dimension Guide

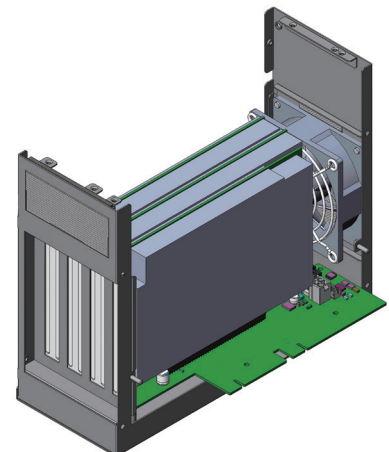
i-Module Width: 90 mm



Example: MIC-7500 + MIC-75M40



PCI/PCIe Card Max. Length Support

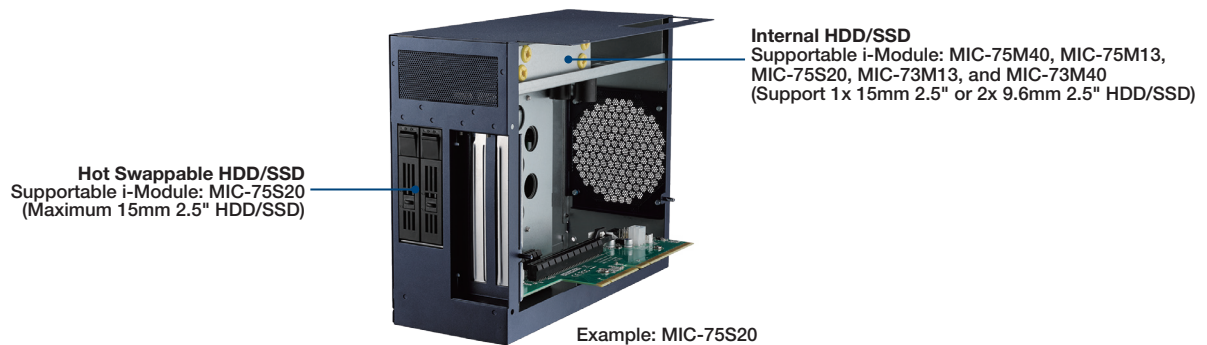


## HDD / SSD Support Table

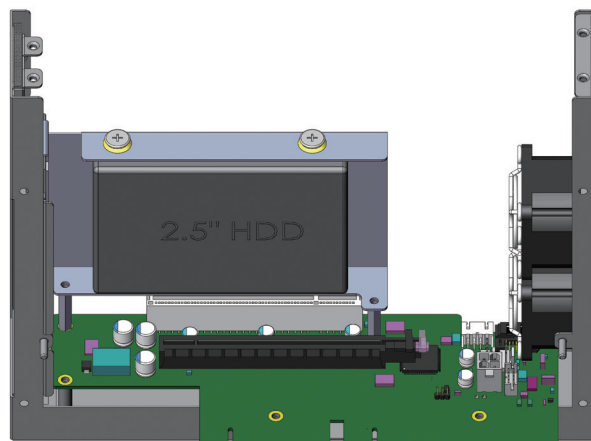
Every model of the MIC-7000 series can be installed with one HDD or SSD. With the i-Module, the numbers of supported HDD/SSD bay are as below:

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

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) |

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