

MIC-75GF10**MXM GPU Expansion Module for New AI Application with MIC-7 Series Embedded System****Startup Manual****Packing List**

Before you begin installing your i-Module, please make sure that the following items have been shipped:

- 1 x MIC-75GF10 i-Module
- 1 x rubber clamp pad P/N: 1990024989T010
- 10 x screws M3X4L P/N: 1930007979
- 2 x screws M3x4.5 P/N: 1930005673-11
- 4 x screws M4x4L P/N: 1930007259-01
- 2 x mounting brackets P/N: 1960070545N006
- 4 x screws for mounting brackets PN: 1930007259-01
- MIC-75GF10 Start-up manual P/N: 204175GF00

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

Note: Acrobat Reader is required to view any PDF file. Acrobat Reader can be downloaded at: get.adobe.com/reader (Acrobat is a trademark of Adobe)

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This manual is for the MIC-75GF10 Rev. A1.

Part No. 204175GF00
Printed in China

1st Edition
April 2023

Specifications**PCIe Slots**

- 1 x PCIe x4
- 1 x MXM 3.1 connector with PCIe x16 signal

Environment

- Operating Temperature:** T1000: -10 ~ 50 °C; RTX-3000/A2000/A1000: -10 ~ 40 °C (35W CPU and industrial wide-temp. RAM/SSD)
- Storage Temperature:** - 40 ~ 85° C (-40 ~185° F)
- Relative Humidity:** 95% @ 40° C (non-condensing)

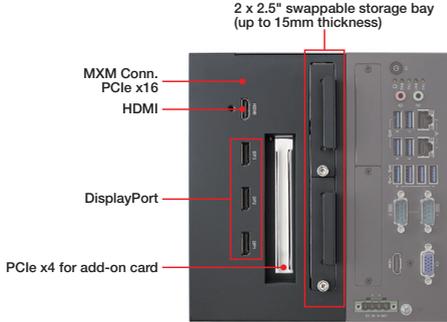
Mechanical

- i-Module Dimensions:** i-Module Dimension (W x H x D): 192 x 151.5 x 230 mm
- MIC-7 series:** (W x H x D): 113 x 192 x 230 mm

I/O Connectors**Connectors**

Item	Function
MXM1	MXM 3.1 connector with PCIe x16 signal
PPCIE1	PCIe x4 slot
SATAPWR1	4-pin SATA power connector (5V)
SATA1	SATA signal connector
SYSFAN1	4-pin fan connector
SYSFAN2	4-pin fan connector (reserved)
DC12VOUT1	4 pin DC 12V ATX power connector for PICE x4

Front View

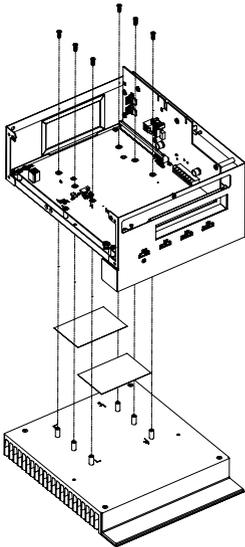


Simple Maintenance Process

System Installation

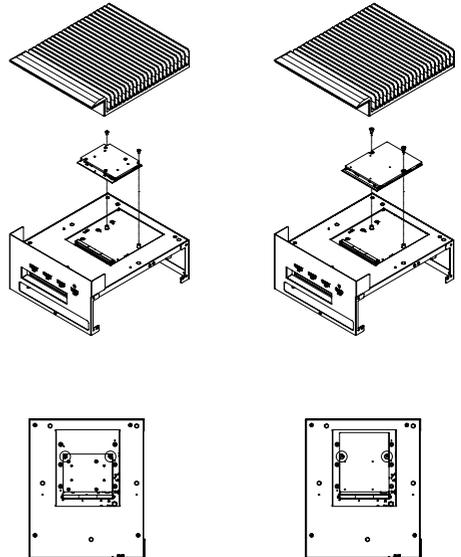
MIC-75GF10 can be assembled with all MIC-7 series IPC systems.

1. Undo 6 screws to release heatsink from MXM holder bracket of MIC-75GF10.

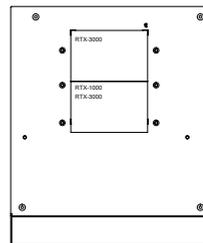


Simple Maintenance Process (Cont.)

2. Attach heat spreader and thermal pad to MXM module.
3. Place MXM module and secure it with 2 screws.



Note: Placement of thermal pad.



Simple Maintenance Process (Cont.)

4. (1) Please refer to the data sheet of MIC-75GF10 to order corresponding heat spreader for MXM GPU.
(2) Replace heatsink and secure it with 6 spring screws.

Part Number	Description
MIC-75GF10-00A1	MXM GPU expansion module (1 x MXM, 1 x PCIe and 2 x removable 2.5" storage bay, 1 x HDMI, 3 x DP)

MXM GPU

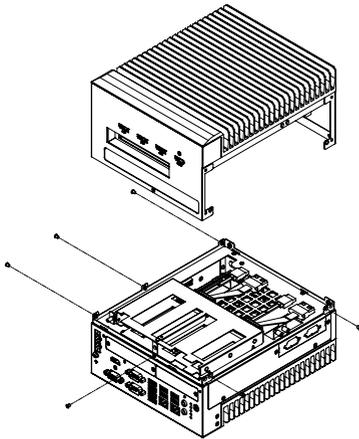
MXM Model	Part Number	Description	Heatspreader
RTX-3000	SKY-MXM-R3000-6SDA	Quadro RTX 3000 MXM 6GB Type B	98R1X300000 (TBD)
A2000	SKY-MXM-A2000-4SDA	Quadro A2000 MXM 4GB Type A	
	SKY-MXM-A2000-8SDA	Quadro A2000 MXM 8GB Type A	98R1X200000 (TBD)
A1000 Quadro	SKY-MXM-A1000-4SDA	A1000 MXM 4GB Type A	
T1000	SKY-MXM-T1000-4SDB	Quadro T1000 MXM 4GB Type A	98R1X100000 (TBD)

Note 1: Please order corresponding heatspreader for MXM GPU.

Note 2: Please refer to MXM GPU datasheet for more details.

Simple Maintenance Process (Cont.)

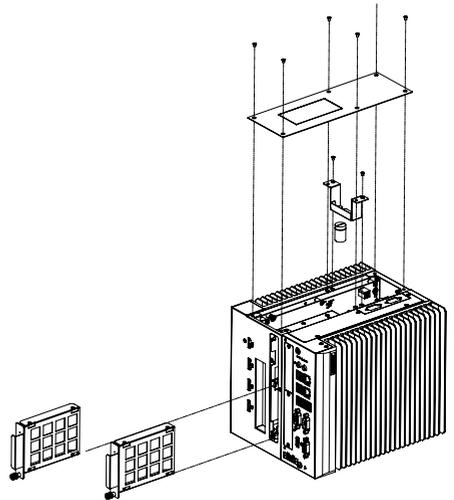
5. Undo MIC-7 series system screws and remove the bottom cover.
6. Align MIC-75GF10 with MIC-7 and secure 4 x spring screws.



Simple Maintenance Process (Cont.)

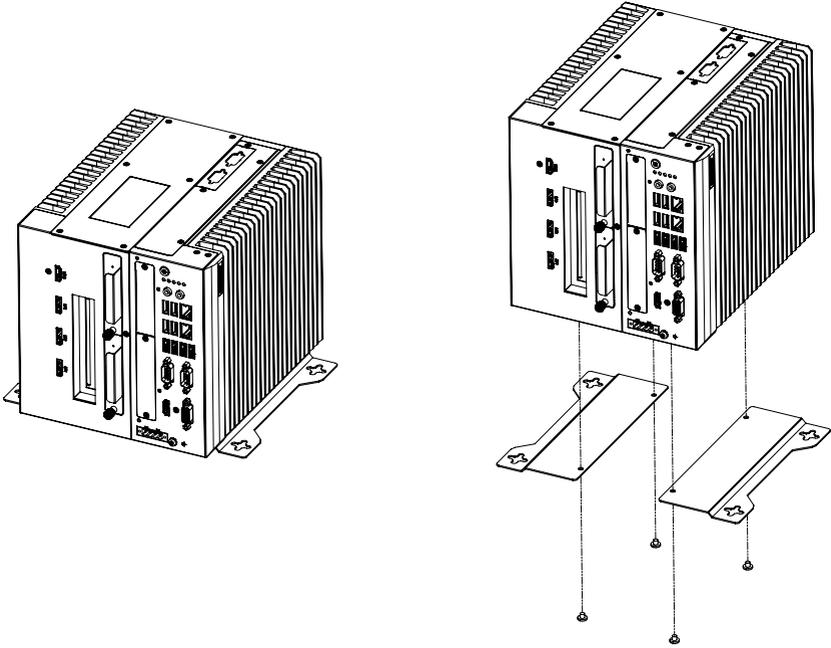
HDD Installation

1. Undo the thumb screw and pull out the HDD holder.
2. Secure HDD with HDD holder with 4 screws
3. Replace HDD holder and attach it with a thumb screw.

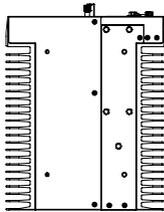
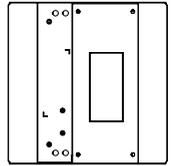
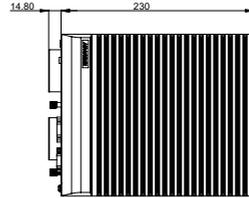
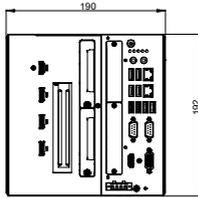
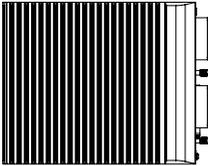
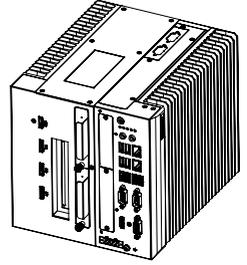
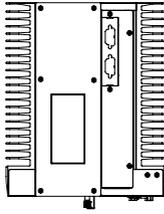


Mounting Bracket Assembly

Secure 2 x mounting bracket (1960070545N006) with 4 x screws (1930007259-01)



System Dimensions



* Width is 187mm with MIC-77xx installed.

System Dimensions with Mounting Brackets

