

MIOe-UMXM

USB4-to-MXM GPU Carrier Card



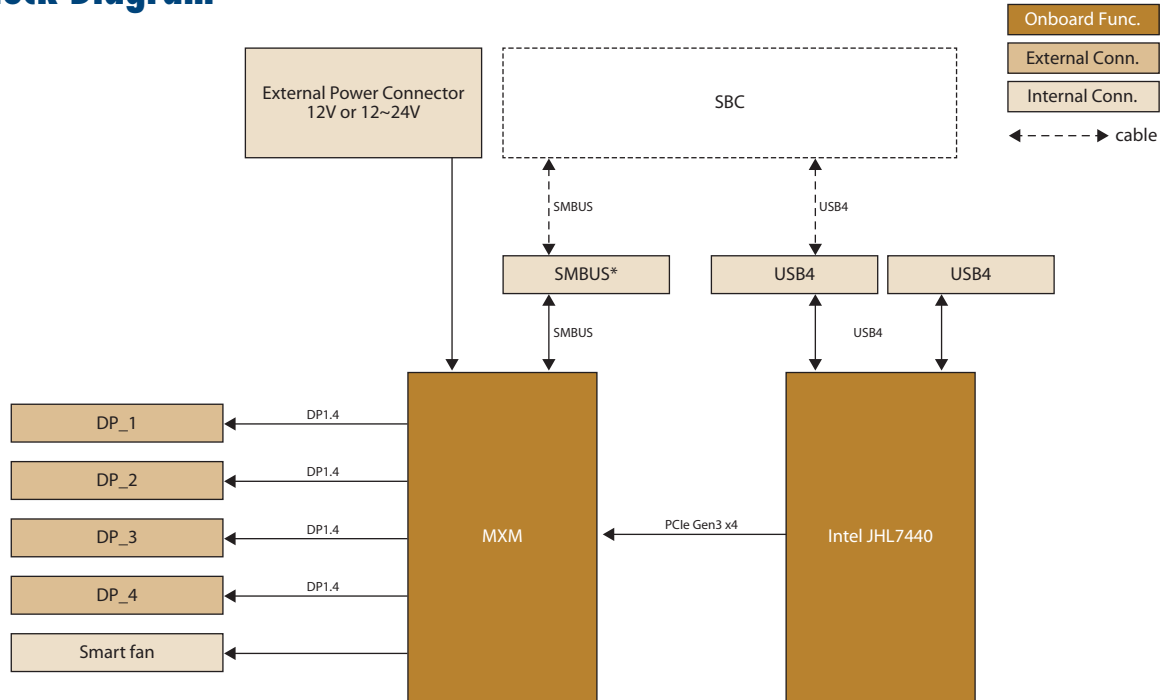
CE FCC

Features

- USB4 Type-C interfaced MXM GPU expansion card
- MXM 3.1 Type A, B, B+ compatible (PCIe Gen3 x4)
- Supports NVIDIA® Quadro® & Intel® Arc™ embedded MXM GPUs, up to 115W TGP MXM modules
- Support dual power input: 12~24V or direct 12V DC input
- 4 x DP1.4 support up to 4 display outputs
- Support MXM GPU Cooler Smart Fan Control

Product	MXM carrier card	MIOe-UMXM-WVA1	MIOe-UMXM-FVA1
Expansion	Supported MXM Modules	Type A	Type A, B, B+
Power	Supply DC-in	12~24V	12V
	Connector	2-pin phoenix connector	ATX 2x2pin 180D, optional to 90D
	MXM Power Requirement	Supply up to 60W TGP MXM	Supply up to 115W TGP MXM
Internal I/O	USB4	2, support alternate mode: DP1.4, up to 40Gbps bandwidth; 1 port upstream to Host, 1 port downstream to Device	
	SMBus	1	
	Fan	12V, 4-wire smart fan	
External I/O	DP	4 x DP1.4a, up to 3840x2160 (4K UHD) resolution @120Hz, or 7680x4320 (8K) @60Hz. max. 4 simultaneous outputs	
Environment	Temperature	Operating: 0~55°C	Operating: 0~50°C
	Humidity	Operating: 40 @95% relative humidity, non-condensing	
	Vibration Resistance	3.5 Grms	
Certification	EMC	CE, FCC Class B	
Mechanical	Dimensions	140 x 100mm	
Compatible	USB4 Host	MIO-5377, MIO-5377R series	MIO-5377, MIO-5377R series
	MXM GPUs	SKY-MXM-A1000-4SDA	SKY-MXM-A1000-4SDA SKY-MXM-A4500-6SDA
Suggest Power Supply		150W; MIO-5377C7P-Q5A1 with SKY-MXM-A1000-4SDA	350W; MIO-5377C7P-Q5A1 with SKY-MXM-A4500-6SDA

Block Diagram



*SMBUS: for MXM cooler's smart fan control, through MIO-5377/MIO-5377R EC

Ordering Information

Part No.	MXM support Type	USB4 (Type-C)	DP	Power DC-in	Power Connector	Operating Temperature
MIOe-UMXM-WVA1	Type A	2	4	12~24V	Phoenix	0 ~ 55 °C
MIOe-UMXM-FVA1	Type A, B, B+	2	4	12V	ATX	0 ~ 50 °C

Packing List

Part No.	Description	Quantity
MIOe-UMXM Carrier Card		1
1700033258-01	SMBUS cable	1

Optional Accessories

Part No.	Description
1700034699-01	Thunderbolt3 cable (compatible to USB4), 20cm

Rear I/O View



MIOe-UMXM with Type-A MXM GPU

