

MPX-768

Mini-PCle 2D Graphics Card

User's Manual

Edition 1.11

2025/01/07



Packing List:

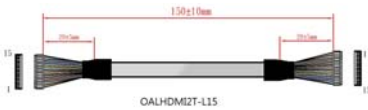
Please check the package content before you starting using the card.



1 x MPX-768 Mini-PCle card



**1 x HDMI module
(BADPHDMI_A / 4120037011)**



**1 x HDMI Cable
(OALHDMI2T-L15 / 1040670)**



**1 x VGA Cable (Optional)
(OALVGAMX-L15 / 1040674)**

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1 <Product Specifications>

Product Description

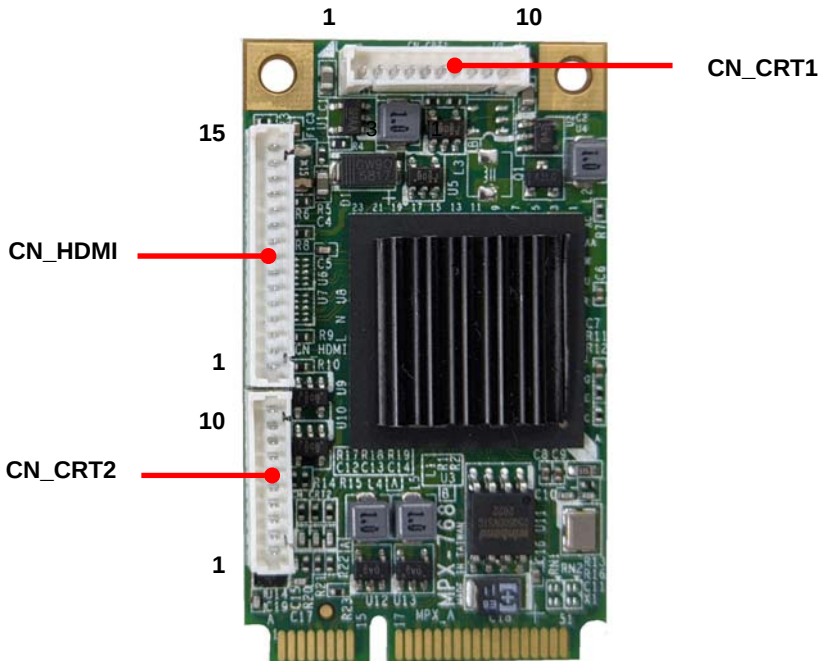
Host Interface	Mini PCIe Gen2 x1
Controller	SM768
Video Memory	256MB DDR3
Output	1 x HDMI, 2 x VGA (Support dual display)
Resolution	HDMI: 1920X1080 VGA: 1920X1080
Dimension	30.00mm x 50.95mm

Operating Conditions

Temperature	Operating Temp.: 0~70°C Storage Temp.: -40~+85°C
Support OS	Windows 7, 8, 10 32 / 64 bit Linux OS .

2 <Component Placement>

2.1 < Connector Reference >



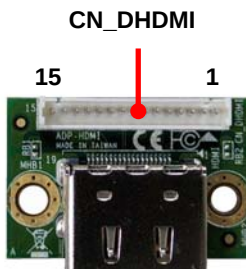
Connector: CN_HDMI**Connector Type:****15-pin (15 x 1) , pitch : 1.25 mm ,DIP type**

Pin	Description	Pin	Description
1	TMDS Data2+	9	GND
2	TMDS Data2-	10	TMDS Clock+
3	GND	11	TMDS Clock-
4	TMDS Data1+	12	HDMI_SCL
5	TMDS Data1-	13	HDMI_SDA
6	GND	14	5 V
7	TMDS Data0+	15	HPD
8	TMDS Data0-		

Connector: CN_CRT1, CN_CRT2**Connector Type:****10-pin (10 x 1) , pitch : 1.25 mm ,DIP type**

Pin	Description	Pin	Description
1	RED	9	CRT_SDA
2	GREEN	10	GND
3	BLUE		
4	GND		
5	HSync		
6	VSync		
7	GND		
8	CRT_SCL		

2.2 < HDMI Module >



Connector: CN_DHDMI

Connector Type:

15-pin (15 x 1) , pitch : 1.25 mm ,DIP type

Pin	Description	Pin	Description
1	TMDS Data2+	9	GND
2	TMDS Data2-	10	TMDS Clock+
3	GND	11	TMDS Clock-
4	TMDS Data1+	12	HDMI_SCL
5	TMDS Data1-	13	HDMI_SDA
6	GND	14	5 V
7	TMDS Data0+	15	HPD
8	TMDS Data0-		

Contact information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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