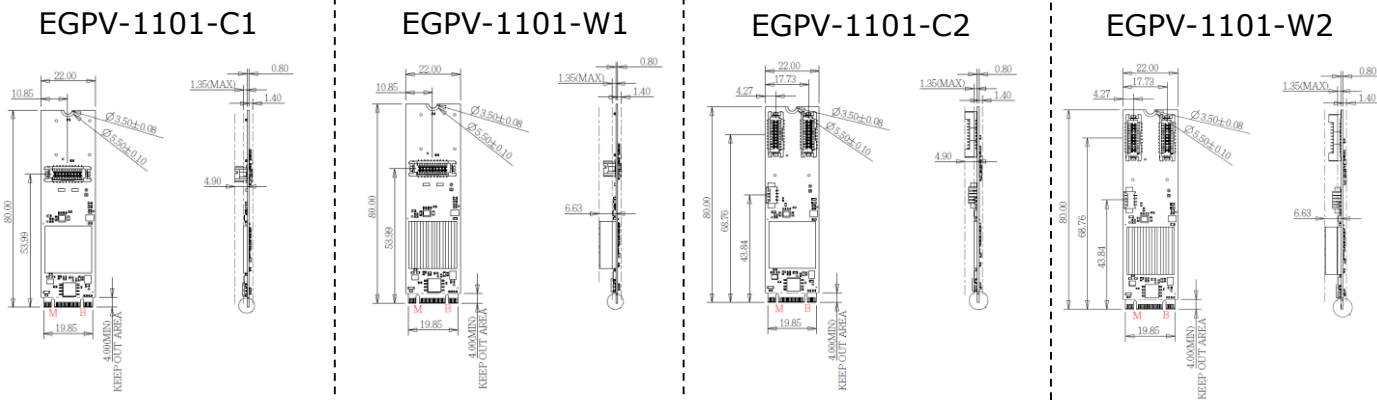


## Features

- Support display output of HDMI 1.4 or DVI-D, 24 or 48bit LVDS channel
- Single HDMI display resolution up to 4K UHD (3840x2160@30p)
- Single DVI-D display resolution up to FHD (1920x1080@60p)
- LVDS display resolution up to FHD (1920x1080@60p)
- Built-in 256MB DDR 3 memory.
- Industrial temperature -40 °C to 85 °C
- 30μ" golden finger, 3-year warranty.

## Mechanical Drawing



## Specifications

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 prior notice.

June 26, 2023

Form-Factor	M.2 2280 B-M
Input I/F	PCI Express 2.0 x 2
Output I/F	HDMI or DVI-D x 1, 24/48bit LVDS
Output Connector	P1.25mm 20pin x 1 (HDMI), 20pin x 2 (LVDS)
TDP	2.78W (3.3V, 843mA)
Dimension (WxLxH)	22 x 80 x 7.1 mm
Temperature	Operation: STD: 0°C ~ +70°C. W/T: -40°C ~ +85°C Storage: -55°C ~ +95°C
Environment	Vibration: 20G @7~2000Hz, Shock: 1500G @ 0.5ms
Notes	Driver: Win10 32/64, Linux kernel 3.13 and above VBIOS: Default support legacy BIOS, if need UEFI please contact with technical support

## Order Information

**EGPV-1101-C1 (Standard Temp.)**  
**EGPV-1101-W1 (Wide Temp.)**  
 M.2 to Single HDMI or DVI-D Module

**EGPV-1101-C2 (Standard Temp.)**  
**EGPV-1101-W2 (Wide Temp.)**  
 M.2 to 24/48bit LVDS Module

**EGPV-1101-C3 (Standard Temp.)**  
**EGPV-1101-W3 (Wide Temp.)**  
 M.2 to Single HDMI or DVI-D Module with HDMI Cable

**EGPV-1101-C4 (Standard Temp.)**  
**EGPV-1101-W4 (Wide Temp.)**  
 M.2 to Single HDMI or DVI-D Module with DVI Cable

## Optional Accessory

**7W9000000120** 30cm HDMI Cable  
**7W9000000131** 30cm DVI Cable

## 2x10 Connector Pin Define

**EGPV-1101-C1/W1**  
HDMI or DVI-D Single Link (CN1)

Signal	Pin	Pin	Signal
GND	2	1	TXC-
+5V	4	3	TXC+
GND	6	5	GND
DDC_SCL	8	7	TX0-
DDC_SDA	10	9	TX0+
GND	12	11	TX1-
HPD	14	13	TX1+
GND	16	15	TX2-
CEC	18	17	TX2+
DDC/CEC GND	20	19	GND

**EGPV-1101-C2/W2**  
LVDS Channel 1 (CN2)

Signal	Pin	Pin	Signal
GND	2	1	A3+
A0+	4	3	A3-
A0-	6	5	GND
GND	8	7	CLK+
A1+	10	9	CLK-
A1-	12	11	GND
GND	14	13	EXT_5V
A2+	16	15	EXT_5V
A2-	18	17	EN
GND	20	19	ADJ

**EGPV-1101-C2/W2**  
External Power Input for LVDS Panel (CN4)

Pin 1	Pin 2	Pin 3	Pin 4
EXT_5V	EXT_5V	GND	GND

- Pass-through to CN2 Pin13/15 and CN3 Pin13/15/17/19 power output for LVDS Panel

**EGPV-1101-C2/W2**  
LVDS Channel 2 (CN3)

Signal	Pin	Pin	Signal
GND	2	1	A7+
A4+	4	3	A7-
A4-	6	5	GND
GND	8	7	CLK2+
A5+	10	9	CLK2-
A5-	12	11	GND
GND	14	13	EXT_5V
A6+	16	15	EXT_5V
A6-	18	17	EXT_5V
GND	20	19	EXT_5V

## EGPV-1101-C2/W2 VESA LVDS 24 Bit Data Mapping Diagram

