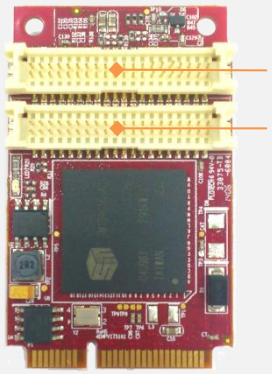
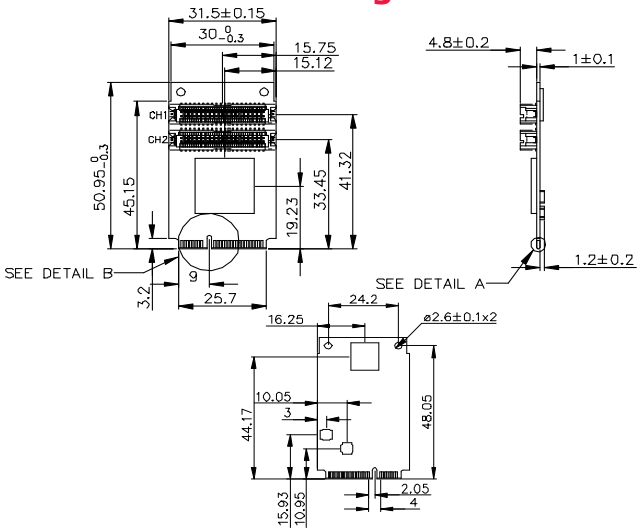
EMPV-1201
mPCIe to dual VGA & HDMI module



Features

- VGA Output up to 1920x1080. up to 75Hz vertical rate.
- HDMI up to 1080P, Ultra low power consumption.
- Allow for 90º, 180º, and 270º rotation of on-screen images.
- 30μ" golden finger, 3 years warranty.
- Industrial design. Manufactured in innodisk Taiwan.

Mechanical Drawing



HDMI(CN2)

Signal	Pin	Pin	Signal
+5V	2	1	+3.3V
+5V	4	3	+3.3V
	6	5	
GND	8	7	GND
TMDS_D0+	10	9	TMDS_D1+
TMDS_D0-	12	11	TMDS_D1-
GND	14	13	GND
TMDS_D2+	16	15	
TMDS_D2-	18	17	
GND	20	19	GND
	22	21	
	24	23	
GND	26	25	GND
	28	27	DDC_SCL
	30	29	DDC_SDA
GND	32	31	GND
TMDS_CK+	34	33	CEC
TMDS_CK-	36	35	HPD
GND	38	37	GND
	40	39	

Dual VGA(CN1)

Signal	Pin	Pin	Signal
+5V	2	1	3.3V
+5V	4	3	3.3V
	6	5	
GND	8	7	GND
R_1	10	9	B_1
G_1	12	11	
GND	14	13	GND
H_Sync_1	16	15	DDC_SCL_1
V_Sync_1	18	17	DDC_SDA_1
GND	20	19	GND
R_0	22	21	B_0
G_0	24	23	
GND	26	25	GND
H_Sync_0	28	27	DDC_SCL_0
V_Sync_0	30	29	DDC_SDA_0
GND	32	31	GND
	34	33	
	36	35	
GND	38	37	GND
	40	39	

Specifications

Form-Factor	mini PCIe
Input I/F	PCI Express 1.0
Output I/F	VGA x 2, HDMI
Output Connector	40pin 1.25mm x 2(40DP-1.25)
Controller	SM750
Max TDP	1.98W(3.3V x 600mA)
Dimension (WxLxH)	50.95 x 31.5 x 8.2 mm, Weight: 7.5g
Temperature	Operation: STD: 0˚C ~ +70˚C
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	OS Support : Windows XP (32 bit), Windows 7 (32/64 bit), Windows 8 (64 bit), Linux Ubuntu 12.10(64 bit), Linux Fedora 18, Linux RedHat Enterprise 6.3. Please download driver from innodisk website.

Headquarters (Taiwan)
5F., No. 237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
Tel: +886-2-77033000
Email: sales@innodisk.com

Branch Offices:
USA
usasales@innodisk.com
+1-510-770-9421
Europe
eusales@innodisk.com
+31-040-282-1818
Japan
jpsales@innodisk.com
+81-45-594-7581
China
sales_cn@innodisk.com
+86-755-21673689

www.innodisk.com

© 2014 Innodisk Corporation. All right reserved. Specifications are subject to change without prior notice.

March 20, 2015

Order information

EMPV-1201-C1
mPCIe to dual VGA & HDMI module
7W9000000010
Dual VGA Cable
7W9000000020
HDMI Cable