Project	Test Image Version	OS			
EPC-R7300	7300A1AIM35UIV30021	Ubuntu 20.04			

No	Module	Test Item	Owner	Result	Result Comment
1	DEBUG UART	ADI ADM3101EACPZ - UART2		PASS	
2	Camera	MIPI-CSI 0		PASS	
		MIPI-CSI 1		PASS	
		MIPI-CSI 2		PASS	
		MIPI-CSI 3		PASS	
3	UART	[40-PIN] UART 1 - RS232		PASS	
4	WIFI	Wi-Fi test		PASS	EWM-159 (AW-CB375NF)
5	Bluetooth	Bluetooth test		PASS	EWM-159 (AW-CB375NF)
6	LTE/5G	LTE/5G		PASS	AIW-355 Bus 002 Device 004: ID 2cb7:0104 Fibocom Fibocom Modem_SN:80113640 Sierra Wireless EM7565
7	Ethernet	MDI		PASS	0008:00:00.0 PCI bridge: NVIDIA Corporation Device 229c (rev a1) 0008:01:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 15)
		PCIe port 2: PCIe to LAN Intel i225		PASS	0007:00:00.0 PCI bridge: NVIDIA Corporation Device 229a (rev a1) 0007:01:00.0 Ethernet controller: Intel Corporation Device 15f2 (rev 03)
8	M.2 Key M - NVMe SSD	PCIe port 0: M.2 Key M NVMe x4		PASS	0004:00:00.0 PCI bridge: NVIDIA Corporation Device 229c (rev a1) 0004:01:00.0 Non-Volatile memory controller: Phison Electronics Corporation E12 NVMe Controller (rev 01)
9	M.2 Key E	USB 2.0 - BT		PASS	EWM-159 (AW-CB375NF) Bus 001 Device 004: ID 13d3:3549 IMC Networks USB2.0 Hub
		PCIe port 1 - WIFI		PASS	EWM-159 (AW-CB375NF) 0001:00:00.0 PCI bridge: NVIDIA Corporation Device 229e (rev a1) 0001:01:00.0 Network controller: Realtek Semiconductor Co., Ltd. RTL8822CE 802.11ac PCIe Wireless Network Adapter
		UART 0		PASS	AW-CB511NF
		I2S1		N/A	No test equipment
10	M.2 Key B	USB 2.0		PASS	Sierra EM7355 4G Bus 001 Device 004: ID 1199:9041 Sierra Wireless, Inc. USB2.0 Hub
		USB 3.0		PASS	AIW-355 5G Bus 002 Device 004: ID 2cb7:0104 Fibocom Fibocom
		PCIe port 3		PASS	AIW-357
11	USB	USB2.0 Port 2: GL852 port1 - UIO1 (USB1)		PASS	
		USB2.0 Port 2: GL852 port2 - UIO1 (USB2)		PASS	
		USB2.0 Port 2: GL852 port3 - M.2 KEY E (USB3_M2E_N)		PASS	EWM-159 (AW-CB375NF) Bus 001 Device 004: ID 13d3:3549 IMC Networks USB2.0 Hub
		USB2.0 Port 2: GL852 port4 - CP210S-F01-GM		PASS	/dev/ttyCP210X0, /dev/ttyCP210X1
		USB2.0 Port0: GL3590 USB2.0 port 1 - UIO1 (USB_HUB_A)		PASS	
		USB2.0 Port0: GL3590 USB2.0 port 2 - TypeA down (USB_HUB_W)		PASS	
		USB2.0 Port0: GL3590 USB2.0 port 3 - TypeA up (USB_HUB_X)		PASS	
		USB2.0 Port0: GL3590 USB2.0 port 4 - M.2 KEY B (USB_HUB_Y)		PASS	Sierra EM7355 4G Bus 001 Device 004: ID 1199:9041 Sierra Wireless, Inc. USB2.0 Hub
		USB3.0 Port0: GL3590 USB3.0 port 2- TypeA down (USB_HUB_W)		PASS	
		USB3.0 Port0: GL3590 USB3.0 port 3 - TypeA up (USB_HUB_X)		PASS	
		USB3.0 Port1 - M.2 KEY B (LTE/5G)		PASS	AIW-355 5G Bus 002 Device 004: ID 2cb7:0104 Fibocom Fibocom
		USB3.0 Port2 - USB_UIO_A		PASS	
		USB2.0 Port 0: Micro USB - Device mode		PASS	
12	CAN BUS			PASS	
13	HDMI			PASS	
14	RTC	CR2032 - RTC external		PASS	由於設定 CONFIG_RTC_HCTOSYS_DEVICE="rtc1" 只有/dev/rtc1才可以設定硬體時間與開機後時間 [CN13 40 pin]
15	GPIO	TI TXB0108RGYR LF - GPIO		PASS	GPIO01_LF: gpio 310 (gpio310) GPIO07_LF: gpio 389 (PG.06) GPIO09_LF: gpio 307 (gpio307) GPIO11_LF: gpio 311 (gpio311) GPIO12_LF: gpio 433 (PN.01) GPIO13_LF: gpio 391 (PH.00)
		NXP PCA6416AHF - GPIO		PASS	10 pins [EXTENSION I/O A] pin#2: gpio 284 pin#4: gpio 285 [EXTENSION I/O B] pin#5: gpio 286 pin#6: gpio 287 pin#7: gpio 288 pin#8: gpio 289 pin#9: gpio 290 pin#10: gpio 291 pin#11: gpio 297 or gpio 329 (PCC.01) (Default) pin#12: gpio 298 or gpio 331 (PCC.03) (Default)
16	Auido	HDMI		PASS	
		Realtek ALC5640 - I2S1 Line-Out		PASS	
		Realtek ALC5640 - I2S1 Mic-In		PASS	
		TI TXB0108RGYR LF - I2S0		N/A	No test equipment
17	SPI	TI TXB0108RGYR LF - SPI0_CS0		PASS	ROM-EG70
		TI TXB0108RGYR LF - SPI0_CS1		PASS	/dev/mtd0
		TI TXB0108RGYR LF - SPI1_CS0		PASS	/dev/mtd1
		TI TXB0108RGYR LF - SPI1_CS1		PASS	/dev/mtd2
				PASS	/dev/mtd3
18	I2C	CPU I2C0		PASS	[i2c-1]
		CPU I2C1		PASS	[i2c-7]
		CPU I2C2		PASS	[i2c-0]
				PASS	[i2c-0]
				PASS	[i2c-0]
				PASS	[i2c-0]
		CPU I2C_CAM		PASS	[i2c-2]
		I2C Expanded 1		PASS	[i2c-10]
				PASS	[i2c-11]
				PASS	[i2c-12]
				PASS	[i2c-13]
		I2C Expanded 2		PASS	[i2c-14]
				PASS	[i2c-15]
				PASS	[i2c-16]
19	WATCHDOG	Internal Watchdog		PASS	
20	Button	Reset Button		PASS	
		Recovery Button		PASS	
21	Recovery & Rescue	Downalod via USB		PASS	
22	Warm Reboot	Warm Reboot		PASS	
23	TPM			PASS	
24	PWM Fan	CN12		N/A	
25	LED Lights	Power		PASS	Green light: Always On
		GPIO		PASS	
		Ethernet Lan 1 - Link		PASS	1. 10M: Always Off 2. 100M: Always Off 3. 1000M-Green light: Always On
		Ethernet Lan 1 - Active		PASS	Green light: Flashing On
		Ethernet Lan 2 - Link		PASS	1. 10M: Always Off 2. 100M: Always Off 3. 1000M-Green light: Always On HW需要re-work
		Ethernet Lan 2 - Active		PASS	Green light: Flashing On

UIO-4030

No	Module	Test Item	Owner	Result	Result Comment
1	RS485	TI_SN65HVD75DR (COM_4)		PASS	/dev/ttyCP210X2 ls -al /sys/bus/usb-serial/devices
2	RS232	(COM_3)		PASS	/dev/ttyCP210X0 ls -al /sys/bus/usb-serial/devices
3	GPIO	(CN3_GPIO)		PASS	
4	EEPROM	ST_M24C02-FMN6TP		N/A	Not Support (0x50 conflicts with the EEPROM on the Nvidia module)

UIO-4032

No	Module	Test Item	Owner	Result	Result Comment
1	RS232	(COM_3)		PASS	/dev/ttyCP210X0
		(COM_4)		PASS	/dev/ttyCP210X1
2	USB-A	(USB_1)		PASS	
3	USB-A	(USB_2)		PASS	
4	LAN	SMSC LAN7500-ABZJ		PASS	
5	EEPROM	ST_M24C02-FMN6TP		N/A	Not Support (0x50 conflicts with the EEPROM on the Nvidia module)

UIO-4034

No	Module	Test Item	Owner	Result	Result Comment
1	RS232	(COM_3)		PASS	/dev/ttyCP210X0
		(COM_4)		PASS	/dev/ttyCP210X1
2	CAN	CAN		PASS	
3	EEPROM	ST_M24C02-FMN6TP		N/A	Not Support (0x50 conflicts with the EEPROM on the Nvidia module)

UIO-4036

No	Module	Test Item	Owner	Result	Result Comment
1	LAN	SMSC LAN7500-ABZJ		PASS	
2	LAN Switch	Realtek RTL8363NBI-CG		PASS	
3	EEPROM	ST_M24C02-FMN6TP		N/A	Not Support (0x50 conflicts with the EEPROM on the Nvidia module)

UIO-4038

No	Module	Test Item	Owner	Result	Result Comment
1	WAN			PASS	
2	LAN1			PASS	
3	LAN2			PASS	
4	LAN3			PASS	
5	LAN4			PASS	
6	Debug UART			PASS	
7	USB			PASS	
8	Restore Button			PASS	
9	EEPROM	ST_M24C02-FMN6TP		N/A	Not Support (0x50 conflicts with the EEPROM on the Nvidia module)

UIO-4040

No	Module	Test Item	Owner	Result	Result Comment
1	SSD	SMSC LAN7500-ABZJ		PASS	
2	EEPROM	ST_M24C02-FMN6TP		N/A	Not Support (0x50 conflicts with the EEPROM on the Nvidia module)