

Rugged Panel PC

G-WIN®

Model:R10IB3S-GMT2

Product Features:

- Ultra Low Bay Trail N2930 1.83GHz Processor Fanless Design
- High Quality 10.4" Panel, 1024 x 768 resolution
- Full IP65 Dust / Water Proof Enclosures
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL-STD-810F/G & IEC60068-2-27
- 5 Wire Resistive / Infrared Touchscreen / Anti-Reflective Protection Glass (Optional)
- Wireless LAN with Antenna (Optional)
- Wide Range 9 to 36V DC Input with isolation
- Compliance with EN50155 for EMC & Characteristic

Product Specifications:

Display	Model Name	R10IB3S-GMT2
	Size	10.4"
	Resolution (pixels)	1024 x 768
	Number of Colors	16.2M (6 bits+FRC)
	Brightness (cd/m ²)	350 (typ.)
	Contrast Ratio	1000 :1 (typ.)
	Viewing Angle	-88~88 (H) ; -88~88 (V)
	Active Area	210.4 (H) x 157.8 (V)
System	Touch (optional)	5 Wire Resistive
	Processor	Intel®Bay Trail N2930 1.83Ghz Processor
	Chipset	Bay Trail SoC Chipset
	BIOS	AMI 16Mbit Flash
	Memory	1xDDR3L 1600 MHz SO-DIMM Max. 8GB
	Ethernet	Intel®WG82574L GbE LAN
	Storage	mSATA SSD (Default 64GB)
	Expansion Slot	1 x Mini PCIe slot (for wireless module)
Input / Output	Power	1 x 9-36VDC
	Ethernet LAN	1 X RJ45 - 10/100/1000 Mbps
	COM	1 x RS232
	USB	2 x USB 2.0
Environment	Operating Temperature	-10 deg. C to 55 deg. C
	Storage Temperature	-30 deg C to 70 deg C
	Humidity	10% to 95% (non condensing)
	Shock	Operating:30g for 18ms, 300m/s2
	Vibration	Operating:1.60/1.96/2.18 g rms for XYZ/ 5-500Hz
	Power Input	9~36V DC in with isolation (Phoenix type) Optional 6-60V DC in, with Ignition On/Off delay
	Power Consumption	32W typ.
	IP Rating	Full IP65
Mechanical	Dimensions (W x L x H)	315.93 mm x 250.93 mm x 67 mm
	Approximate Weight	3.3Kg*
*Weight of this device will be more or less depending upon actual component configuration.		
Driver OS Support	Windows Embedded Standard 7 (64-bit)	
	Windows Embedded 8.1 Industry Pro 64-bit	
	Windows 10 IoT Enterprise	
Packing List	(IB32) SBC Manual & Driver CD	
Product Optional Items	Mounting Bracket and Kits	One robust bracket with locking handle (Can adjust from -5 deg.C to 90 deg.C)
	Sunlight Readable	Use high brightness Panel
	Anti-reflective Glass	3 mm (Replace touch)
	WLAN	Mini PCIe base Wireless LAN card with SMA antenna
Security Support	Trusted Platform Module (TPM 1.2)	
Certifications	MIL-STD-810F/G for vibration / shock, CE, FCC	



Fanless



Wide Temp



IP65

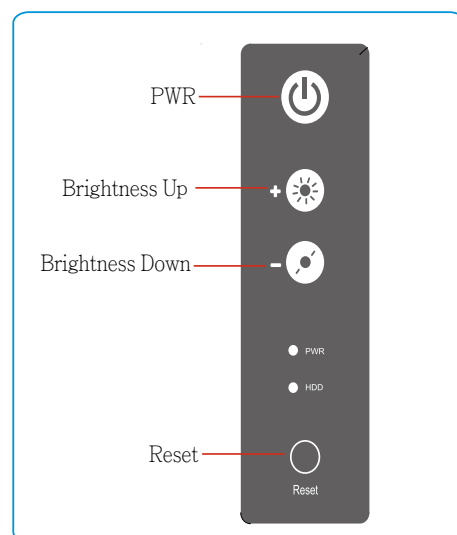


I / O View:

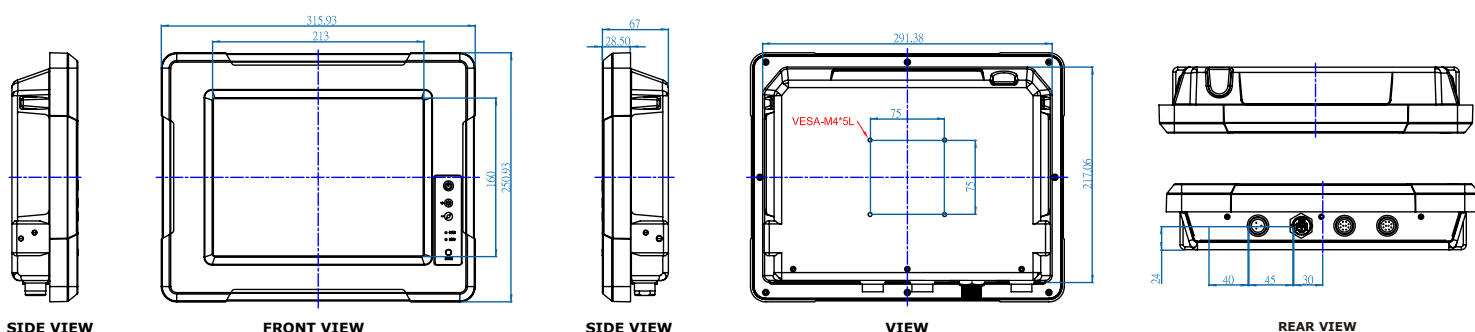


1. 1 x 9-36VDC
2. 1 X RJ45 - 10/100/1000 Mbps
3. 1 x RS232
4. 2 x USB 2.0

Front OSD Control Function:



Drawing:



SIDE VIEW

FRONT VIEW

SIDE VIEW

VIEW

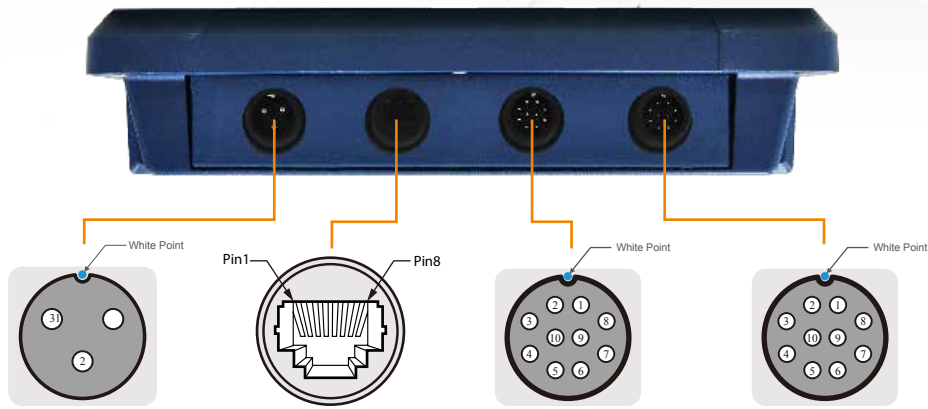
REAR VIEW

WinMATE

www.winmate.com.tw

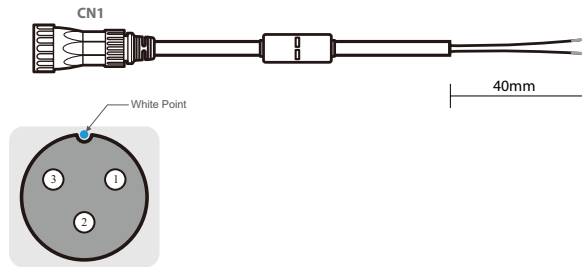
Release Date: 18-Jan-2017 V1.1

Rugged Solution



Pin Assignment of cables:

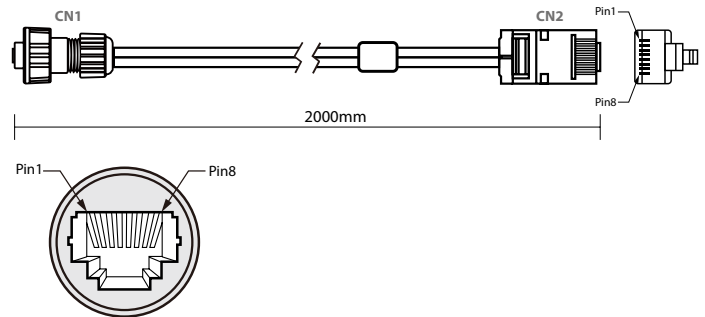
DC Power Cable



Pin No.	Symbols	Color
CN1-1	VCC	Red
CN1-3	GND	Black
CN1-2	Shield	

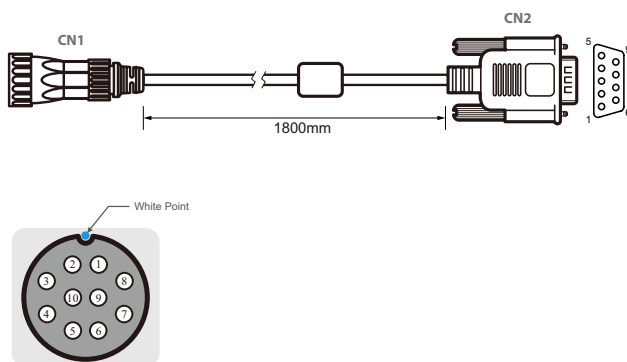
Pin No.	Symbols	Color
Open	VCC	Red
Open	GND	Black
	Shield	

LAN Cable



Plug	Wire Color	Conn.
1	Orange / White	1
2	Orange	2
3	Green / White	3
4	Blue	4
5	Blue / White	5
6	Green	6
7	Brown / White	7
8	Brown	8

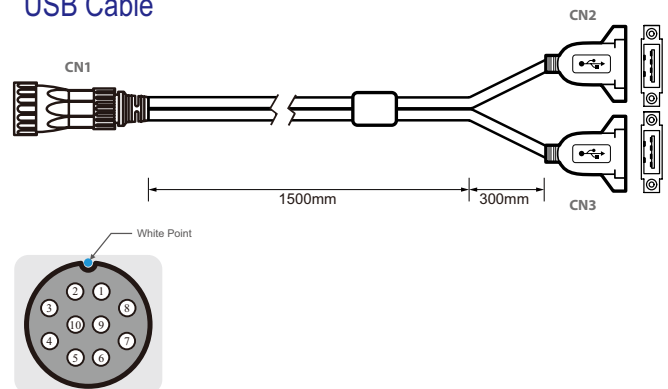
Serial Cable



Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green
CN1-2	DSR-CON2	Brown
CN1-3	RXD-CON2	Red
CN1-4	RTS-CON2	Orange
CN1-5	TXD-CON2	Blue
CN1-6	CTS-CON2	White
CN1-7	DTR-CON2	Purple
CN1-8	RI-CON2	Yellow
CN1-9	GND-CON2	Black
CN1-10	NC	

Pin No.	Symbols	Color
CN2-1	DCD-CON2	Green
CN2-2	DSR-CON2	Brown
CN2-3	RXD-CON2	Red
CN2-4	RTS-CON2	Orange
CN2-5	TXD-CON2	Blue
CN2-6	CTS-CON2	White
CN2-7	DTR-CON2	Purple
CN2-8	RI-CON2	Yellow
CN2-9	GND-CON2	Black
CN2-10	NC	

USB Cable



Pin No.	Symbols	Color
CN1-1	VCC	RED
CN1-2	VCC	RED
CN1-3	D-	WHITE
CN1-4	D-	WHITE
CN1-5	D+	GREEN
CN1-6	D+	GREEN
CN1-7	GND	BLACK
CN1-8	GND	BLACK
CN1-9	Braid	

Pin No.	Symbols	Color
CN2-1	VCC	RED
CN2-2	VCC	RED
CN2-3	D-	WHITE
CN2-4	D-	WHITE
CN2-5	D+	GREEN
CN2-6	D+	GREEN
CN2-7	GND	BLACK
CN2-8	GND	BLACK
CN2-9	Braid connect to the housing	