

# Rugged Panel PC



Model:R10IB3S-VMP1

## Product Features:

- Ultra Low Bay Trail N2930 1.83GHz Processor Fanless Design
- High Quality 10.4" Panel, 800 x 600 resolution
- Full IP65 Dust / Water Proof Enclosures (Except I/O parts)
- 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)
- Optional GPS, 3G / WLAN(Either one). Digital IO / Canbus (Either one)
- Wide Range 9 to 36V DC Input with isolation
- Compliance with EN50155 for EMC & Characteristic



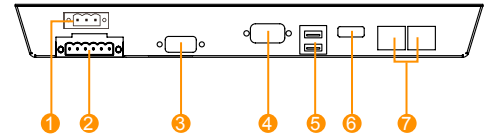
## Product Specifications:

**SCIGATE AUTOMATION (S) PTE LTD**  
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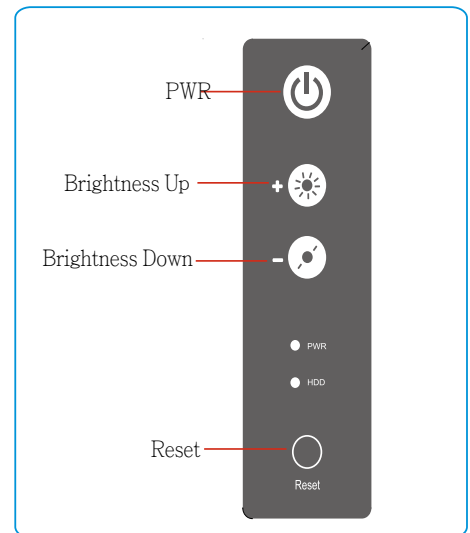
Display	Model Name	R10IB3S-VMP1	
	Size	10.4"	
	Resolution (pixels)	800 x 600	
	Number of Colors	262,144 (6bits/color)	
	Brightness (cd/m <sup>2</sup> )	600 (typ.)	
	Contrast Ratio	400 :1 (typ.)	
	Viewing Angle	-70~70 (H) ; -70~60 (V)	
Touch (optional)	5 Wire Resistive / IR Touch		
System	Processor	Intel® Bay Trail N2930 1.83Ghz Processor	
	Chipset	Bay Trail SoC Chipset	
	BIOS	AMI 16Mbit Flash	
	Memory	1xDDR3L 1600 MHz SO-DIMM, default 4GB, Max. 8GB	
	Ethernet	Intel® I210-AT GbE LAN	
	Storage	mSATA SSD, default 64GB	
	Expansion Slot	1 x Mini PCIe slot (for wireless module) 1 x Mini PCIe slot (for SATA SSD)	
Input / Output	Back Panel I/O Port	2 x RJ-45 (10/100/1000 Mbps) 1 x HDMI 1 x DC-in Jack (Phoenix type) 1 x USB 3.0, 1 x USB 2.0 1 x RS232/422/485, 1 x RS232 WLAN antenna SMA in top (Optional)	
	Environment	Operating Temperature	-25 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/s <sup>2</sup>
Vibration*		Operating: 1.60/1.96/2.18 g rms for XYZ / 5-500Hz	
Mechanical	Power Input	9~36V DC in with isolation (Phoenix type)	
	Power Consumption	35W typ.	
Driver OS Support	Dimensions (W x L x H)	315 mm x 250 mm x 67 mm	
Certifications	Windows Embedded Standard 7 (64-bit)		
	Windows Embedded 8.1 Industry Pro 64-bit		
	Windows 10 IoT Enterprise		
Product Optional Items	Packing List	(IB32) SBC Manual & Driver CD	
	Mounting Bracket and Kits	One robust bracket with locking handle (Can adjust from -5 deg.C to 90 deg.C)	
	Sunlight Readable	Transflective film enhancement for optional	
	Anti-reflective Glass	3 mm (Replace touch)	
	WLAN / 3G	Either one	
	GPS	USB interface	
	Digital IO / Canbus	Either one	

## I / O View:



1. 9~36V Terminal Block
2. CanBus / DIO (Optional)
3. RS232
4. RS232/422/485
5. 1xUSB 3.0 1xUSB 2.0
6. HDMI
7. 2xLAN

## Front OSD Control Function:



## Drawing w / Mounting bracket:

