

RUGGED PANEL PC

15" Panel PC, Full IP67, 1000 nits, 1024 x 768
with Intel Bay Trail N2930 1.83GHz and 5 Wire Resistive Touch

Model: WRD1500HB-7J-TR



FEATURES:

- Ultra Low Power Intel Bay Trail N2930 1.83GHz CPU Fanless Design
- High Quality 15" Panel, 1024 x 768 resolution, 250 nits (Optional for 1000 nits)
- IP67 Dust/ Water proof design with VESA mount
- Aluminum Die-Casting Housing with Anti-Corrosion Treatments
- Build-in ambient Light sensor
- Wide Range 9 to 36V DC Input with Isolation
- Optional 6-60V DC Input, and Optional for Ignition On/Off delay
- 5 Wire Resistive Touch / Anti-Reflective Protection Glass(Optional)
- Optional HB/Sunlight Readable up to 1000 nits
- Design to meet EN50155

SPECIFICATIONS:

DISPLAY SPECIFICATION	
Size	15"
Resolution	1024 x 768
Pixel Pitch	0.297 x 0.297
Contrast Ratio	2000:1
Panel Brightness	1000 nits
Display Color	16.2M,8-bits
Active Display Area	304.128(H) x 228.096(V)
Viewing Angle	-88-88(H):-88-88(V)
Touch	5 Wire Resistive
SYSTEM SPECIFICATION	
Processor	Intel® Bay Trail N2930 1.83GHz
BIOS	Award 16 Mbit Flash
Chipset	Bay Trail SoC Chipset
Memory	1 x DDR3L 1066/1333 MHz SO-DIMM (default 4GB, max. 8GB)
Lan Controller	Intel® I210-AT GbE
Storage	mSATA SSD (default 64GB), Max. 512GB
Security Support	Trusted Platform Module (TPM 1.2)
I/O CONNECTORS	
Back Panel I/O Port	1 x RJ-45(waterproof,IP67 grade), 1 x DC-in(waterproof,IP67 grade), 2x USB 2.0(waterproof,IP67 grade), 1x for RS232(waterproof,IP67 grade)*
IN FRONT CONTROL	
Control Button	Power On/ Off, Reset, Brightness up& down, Lock& unlock, Auto-dimming&manual dimming, Day& night mode, LED adjustment
Led indicator	Power Status, HDD Status

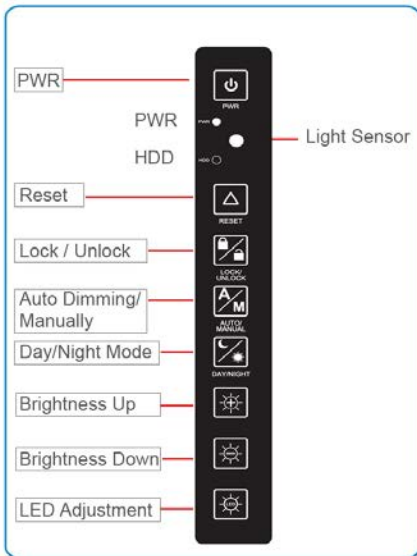
MECHANICAL AND ENVIRONMENT	
Dimensions (W x L x H)	398 x 308 x 58 mm
Net Weight (kg) (with touch)	4.9 kg
Power Input	9-36V DC In with isolation, Optional 6-60V DC In, with Ignition On/Off delay
Operating Temperature	-10°C to +55°C
Operation Humidity	10% to 95% (non-condensing)
Shock*	Compliance with MIL-STD-810F/G
Vibration*	Compliance with MIL-STD-810F/G
Mechanical and Environment	When use SSD or Industrial Compact Flash
Certifications	CE, FCC Class B, MIL-STD-810F/G
Product Option Items	
Mounting Bracket and Kits	One robust bracket with locking handle (Can be adjusted from 5° to 90°)
Sunlight Readable	Transflective film enhancement (optional)
OS	Windows Embedded Standard 7 (64 bit), Windows Embedded 8.1 Industry Pro (64 bit), Windows 10 IoT Enterprise
Touch / Anti-reflective Glass	3mm Anti-reflective Protection Glass (w/o Touch)
WLAN	Mini PCI-E base Wireless LAN card with SMA antenna
Wide Power Input Range	9V to 36V wide range acceptable for optional

I/O VIEW:

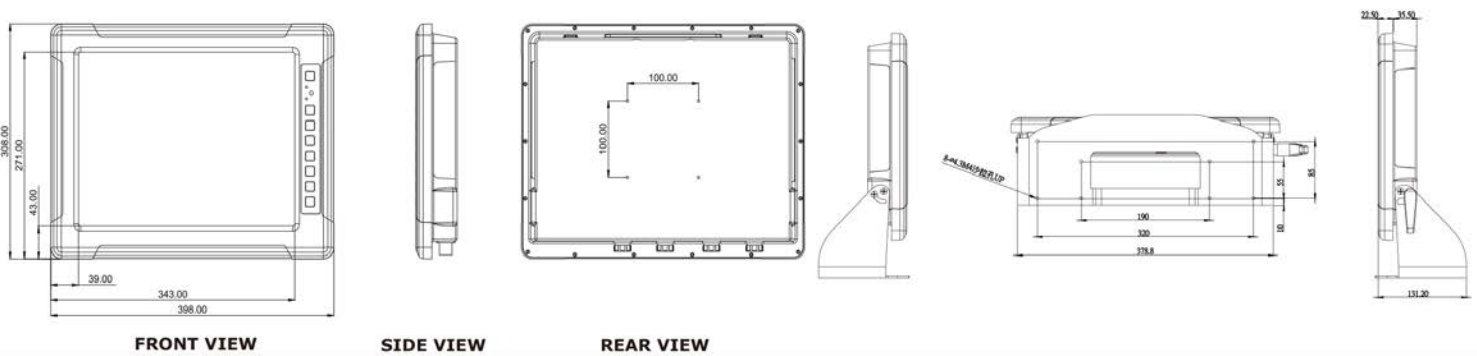


1. LAN
2. USB
3. RS-232
4. 9 ~ 36V DC-in

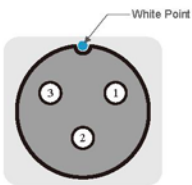
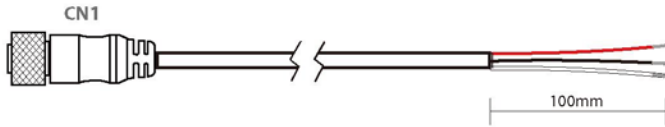
FRONT OSD CONTROL FUNCTION:



MECHANICAL DRAWINGS:



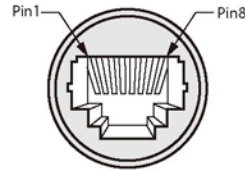
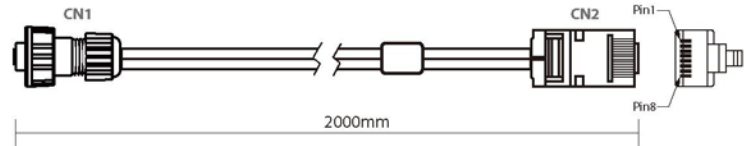
DC Power Cable



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

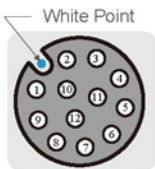
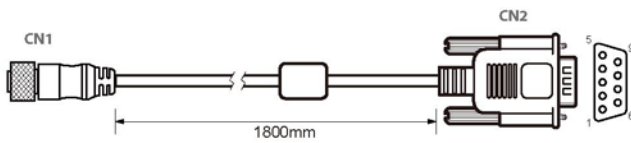
Pin No.	Symbols	Color
CN2-1	VCC+	Red
CN2-2	GND	Black
CN2-3	VCC-	White

LAN Cable



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

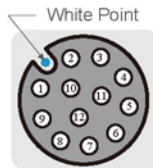
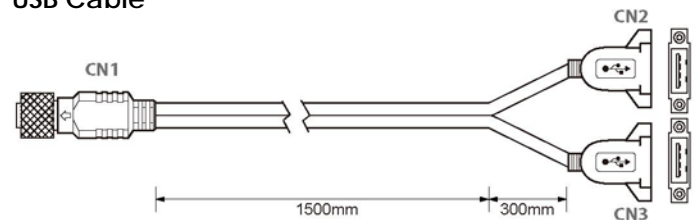
Serial Cable



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

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

USB Cable



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

Pin No.	Symbols	Color	
CN2-1	VCC	RED	twisted pair
CN2-2	D-	WHITE	
CN2-3	D+	GREEN	twisted pair
CN2-4	GND	BLACK	
CN3-1	VCC	RED	twisted pair
CN3-2	D-	WHITE	
CN3-3	D+	GREEN	twisted pair
CN3-4	GND	BLACK	
			Braid connect to the housing