

# Industrial Display All-in-One PC Solution

46" Open Pluggable Specification (OPS) module, 1920x1080,  
Computer: D2700, 2.13Ghz, 2GB memory, 2.5" 160GB HDD

Model: WPCS4600



Front



Rear



## CPU Features:

Designed for compliance with OPS (Open Pluggable Specification) standard  
Embedded Intel® Cedar Trail Platform  
Supported Display Port, UART, USB 2.0 ,and HDMI via JAE 80-pin connector

## LCD Features:

46" TFT LCD with resolution 1920x 1080  
Brightness: 400 cd/m2  
Compliant with OPS module  
Optional touch

## LCD Specifications:

LCD Specification	Viewable Size Image	46" (16:9)
	Active Display Area(mm)	1018.08(H) x 572.67(V)
	Pixel Pitch(mm)	0.53025(H) x 0.53025(V)
	Number of Pixels	1920 x 1080
	Contrast Ratio	4000:1(typ.)
	Display Color	16.7M(8 bits/colors)
	Brightness(cd/m2)	400(typ.)
	Viewing Angle(CR>=10)	-89~89(H); -89~89(V)
	Recommended Resolution	1920x1080 @60Hz
	Input Signal	PC
Video		Composite(BNC type) Component (BNC x3) HDMI (with HDCP)
Audio		RCA L/R: 2Input Stereo Mini Jack: 1Input
Control		D-sub 9Pin (RS232C) LAN(RJ45)
Output Signal	PC	Mini D-sub 15pin
	Video	Composite(BNC type)
	Audio	RCA L/R: 1 Output Speaker Output: External SPKJack 10W + 10W (w/ Push button to switch Int./Ext.)
	Control	D-sub 9Pin (RS232C)
Environment	Operating Temp	0°C ~45°C
	Operating Humidity	20-80% (without condensation)
	Storage Temp	-20-60degC
	Storage Humidity	10-90% (without condensation)
Others	Internal SPK	10W x2
	Power Requirement	110~240V AC-in
	OPS Slot	Yes
	Physical Characteristics	1091.1(W) x 645.7(H) x 120.1(D)
Weight	Without Stand	26KG
	With Stand	26.5KG
Kensington Lock	Yes	
Option	Stand	

## CPU Specifications:

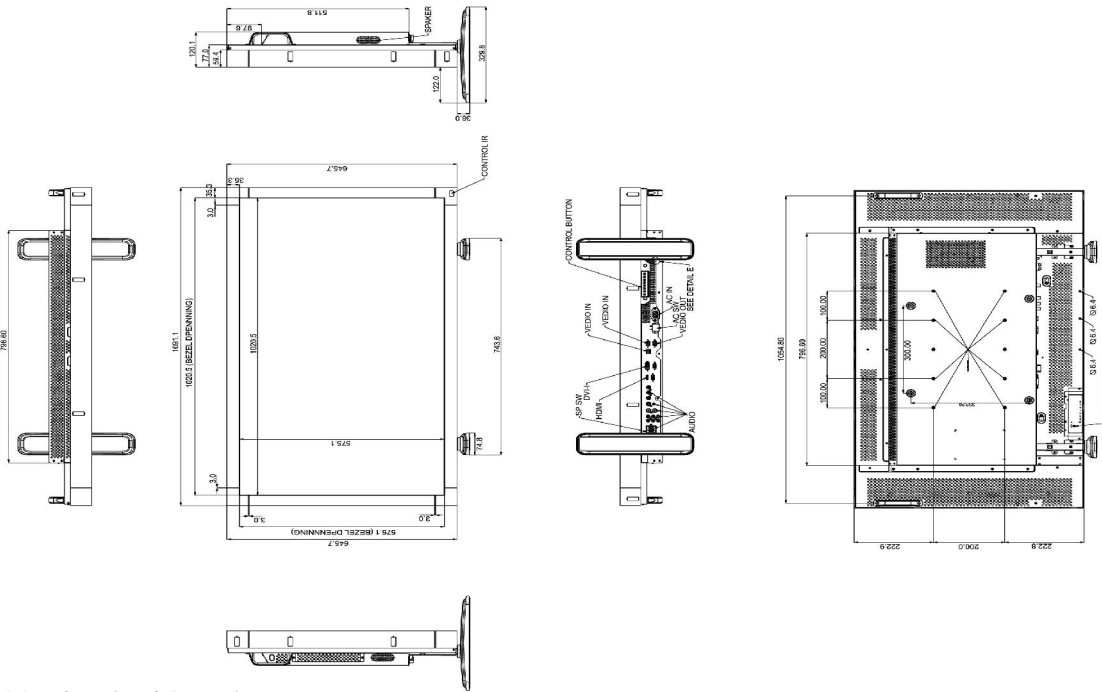
System Specification	CPU	Intel® Atom™ D2700 Processor
	BIOS	AMI UEFI BIOS
	System Chipset	Mobile Intel® NM10 Chipset
	System Memory	SO-DIMM DDR3-1333MT/s , up to 4GB
	Operating System	Win 7 Ultimate Embedded/ Win 7 Professional Embedded/ WS7E
	Storage	2.5" SATA HDD 160GB
	Graphic Chipset	Integrated Graphics
	Ethernet	Broadcom BCM 57780 Gigabit Ethernet
	Audio	Realtek ALC 886 codec
	I/O Interface	Front I/O
1x RJ-45		
2x USB (USB 2.0 compliant)		
2x RS232 (using Display Port Connector)		
2x Audio phone jack (Line-in/ Line-out)		
1x Power button		
Rear I/O (OPS Interconnector)	1x JAE 80-Pin connector (follow OPS Standard)	
Internal I/O	1x Mini-PCIe (for wireless module)	
Power Requirement	Power Consumption	16W (BurnIn Test)
	Input Voltage	12V-19V DC in (via OPS interconnection)
Watchdog Timer	Interrupt, system reset, setup by software	
Physical Characteristics	Dimensions (Wx Hx D)	200 x 30 x 118mm (OPS compliant)
	Weight	1.5kg (3.3lb)
Environment	Operating Temperature	0°C~55°C
	Operating Humidity	30%~ 90% (non-condensing, RH)
	Mounting	VESA mounting
Certification	Electromagnetic	CE, FCC
Wireless Communication (Optional, Either one)	Wi-Fi 3G	via half mini PCIe card On board sim slot

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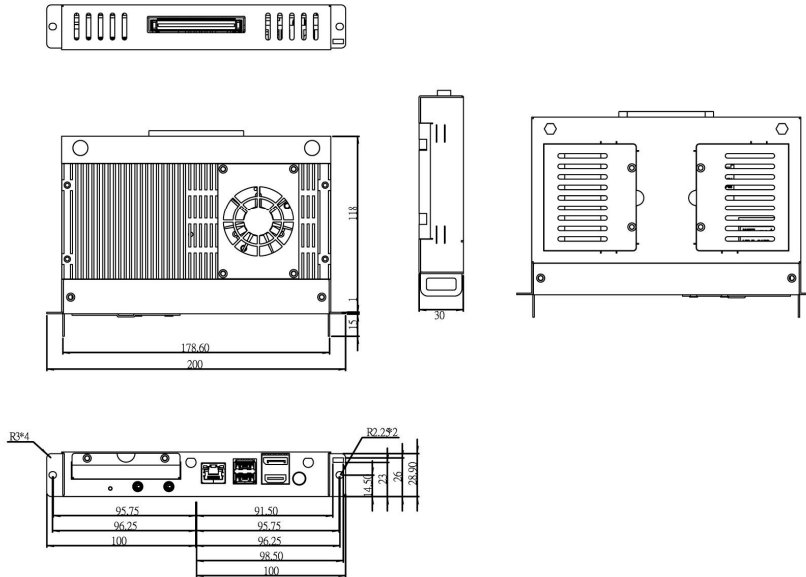
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LCD Mechanical Drawing

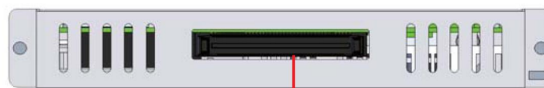
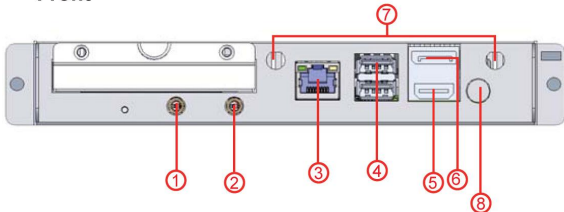


CPU Mechanical Drawing



Front

Rear



JAE 80-pin connector

- 1. Line Out
- 2. Line In
- 3. RJ45
- 4.2 x USB
- 5. HDMI
- 6.2 x RS-232 (Via DP Connector)
- 7. Antenna (Optional)
- 8. Power Switch

Order Information

Standard	CPU : Intel® Atom™ CedarView D2700 RAM : 2GB Storage : HDD 160GB
Optional	WiFi : (802.11b/g/n) or 3G MSO-Pro (Digital Signage Software) OS : Win7 Ultimate Embedded/ Win7 Professional Embedded/ WSTE DP to RS232 Cable

