

# AOP-8120

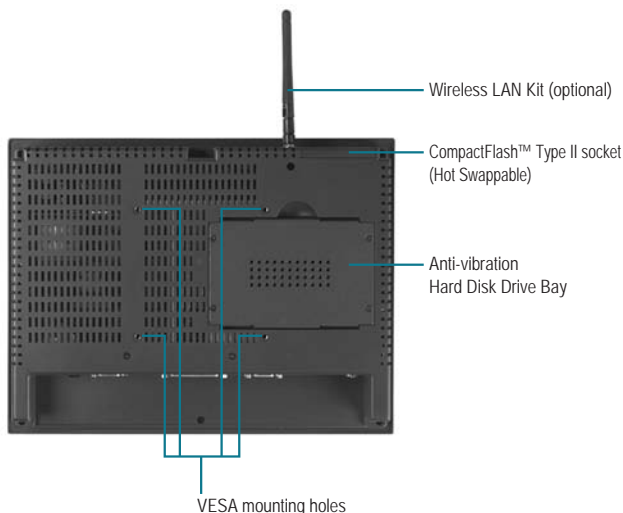
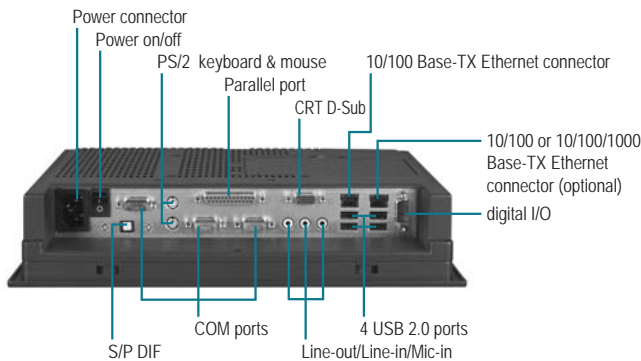
Industrial Computing Platform Partner

## Ultra Low Voltage Intel® Celeron® Processor-based Fanless Operator Panel PC with 12.1" TFT LCD



### Features

- 12.1" TFT SVGA (800 x 600) LCD
- Onboard Ultra Low Voltage Intel® Celeron® Processor 650MHz
- Anti-vibration Disk Drive Bay for Hard Disk Drive
- Touchscreen, Mini PCI and CompactFlash™ Card Support
- 10/100Base-TX or Gigabit Ethernet (optional)
- Windows® CE.NET 4.2 and Embedded Windows® XP Support (optional)
- Up to 8 in or 8 out Digital I/O
- Slim and Fanless Solution
- Supports Dual Independent Display (under Windows® XP)

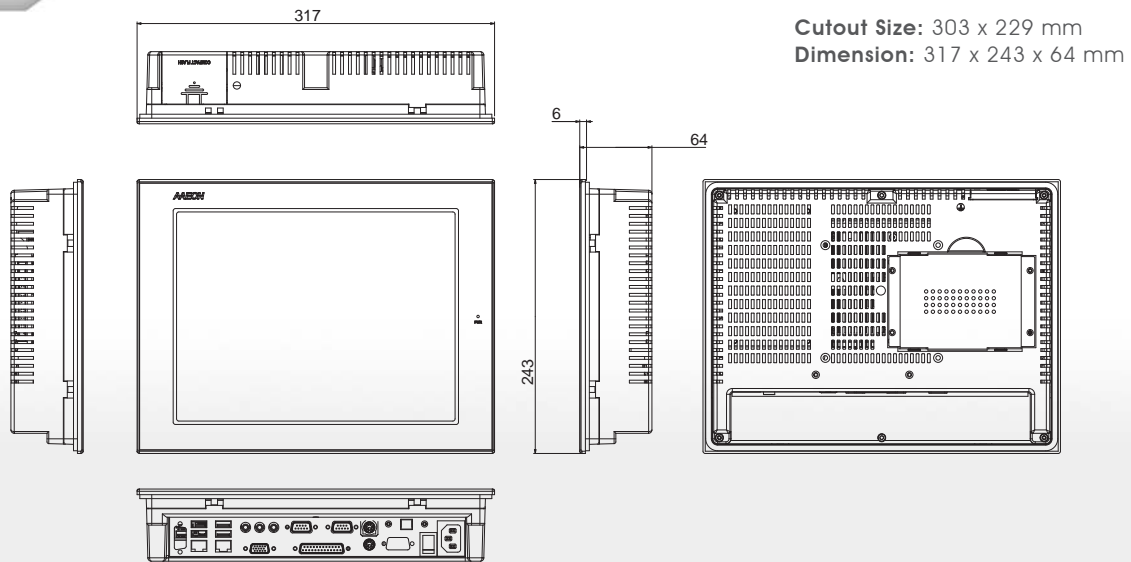


### Specifications

System	
CPU	Onboard Ultra Low Voltage Intel® Celeron® processor 650MHz
Memory	Onboard 256MB, supports up to 1GB DDR 184-pin SDRAM
LCD/CRT Controller	VIA CLE266, share up to 32MB
Ethernet	Realtek 8100BL 10/100Base-TX RJ-45 connector x 1 Realtek 8100C 10/100 Base-TX RJ-45 connector x 1 or 8110S 10/100/1000 Base-TX RJ-45 connector x 1 (optional)
I/O Port	3 serial ports: 2 x RS-232, 1 x RS-232/422/485 (COM 4 is reserved for touchscreen) 1 parallel port (supports ECP/EPP) 1 PS/2 mouse port 1 PS/2 keyboard port 1 VGA port 4 USB 2.0 ports MIC-in, Line-in, Line-out, S/P DIF-out 1 digital I/O (Supports up to 8-in or 8-out)
Storage Disk Drive	Anti-vibration 2.5" Hard Disk Drive
Expansion Slot	1 x Mini PCI slot, 1 x CompactFlash™ slot
OS Support	Windows® 2000, Windows® XP, Windows® CE.Net 4.2 (optional), Windows® XP Embedded (optional)
Mechanical	
Construction	Plastic chassis IP-65 certified front panel
Front Panel Color	PMS 2965C (Dark Blue)
Mounting	Panelmount, VESA 100mm holes
Dimension	12.5" (W) x 9.6" (H) x 2.5" (D) (317mm x 243mm x 64mm)
Carton Dimension	16.6" (W) x 7.7" (H) x 15.9" (D) 421mm x 196mm x 404mm
Gross Weight	10lb (4.5Kg)

## Dimension

Unit: mm



Cutout Size: 303 x 229 mm  
Dimension: 317 x 243 x 64 mm

Environmental		
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)	
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)	
Operating Humidity	10 to 90% @ 35°C, non-condensing	
Vibration	Random operation 1G, 5 ~ 500Hz	
Shock	15G peak acceleration (11 msec. duration)	
EMC	CE/FCC Class A	
Power Supply		
AC Input 65W (standard offer)	Input: 90V AC ~ 264V AC @ 47 ~ 63Hz Output: +5V@10A, +12V@1.5A, -12V@0.3A	
LCD		
Models	AOP-8120HT series	AOP-8120WT series
Display Type	12.1" color TFT LCD	12.1" color TFT LCD
Max. Resolution	800 x 600	800 x 600
Max. Colors	256K	256K
Dot Size	0.3075mm x 0.3075mm	0.3075mm x 0.3075mm
Luminance	200 cd/m <sup>2</sup> (TYP.)	350 cd/m <sup>2</sup> (TYP.)
Viewing Angle	90° (H) 40° (V)	140° (H) 120° (V)
Touchscreen		
Type	8-wire, analog resistive	
Resolution	2048 x 2048	
Light Transmission	> 78%	
Lifetime	1 millions activations	
OS Support	Windows® 2000, Windows® XP, Windows® CE.Net 4.2, Embedded Windows® XP (optional)	

## Ordering Information

- **AOP-8120HT-A1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" TFT, Ethernet and Touchscreen
- **AOP-8120WT-A1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" 350nit TFT, Ethernet and Touchscreen
- **AOP-8120HT-E1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" TFT, Touchscreen and Windows® CE. Net 4.2 (English) on 32MB DOM
- **AOP-8120HT-E2**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" TFT, Touchscreen and Windows® CE. Net 4.2 (English) on 64MB DOM
- **AOP-8120HT-P1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" TFT, Touchscreen and Windows® XP Embedded (English) on 512MB DOM
- **AOP-8120WT-P1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" 350nit TFT, Touchscreen and Windows® XP Embedded (English) on 512MB DOM

## Optional Accessories

- **ARM-LA0115**  
Swivel Arm with VESA 75/100mm Standards
- **ARM-WK075-0**  
Wallmount Kit with VESA 75/100 mm Standards
- **STAND-8150B0**  
Desktop Stand with VESA 100mm Standards
- **9741666644**  
Wireless LAN Kit, IEEE802.11b/g, with Antenna
- 2.5" Hard Disk Drive