

# AOP-8120HT/WT

12.1" Ultra Low Voltage Intel® Celeron® Processor-based Fanless Operator Panel PC

02

OMNI Series - Operator Panel Solutions



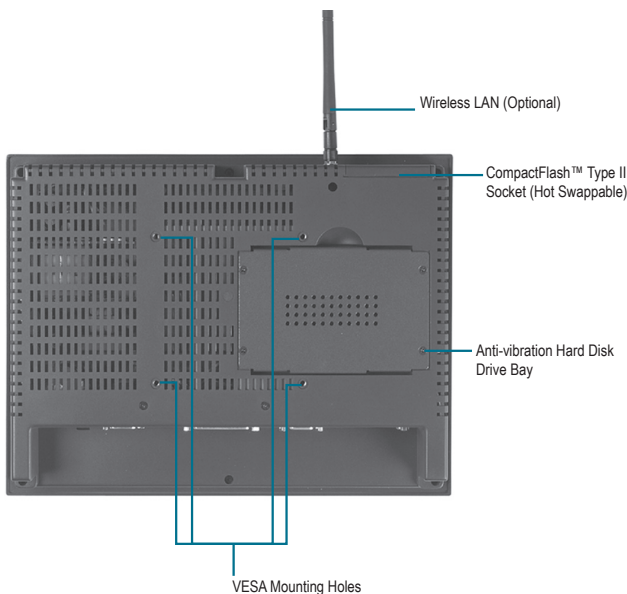
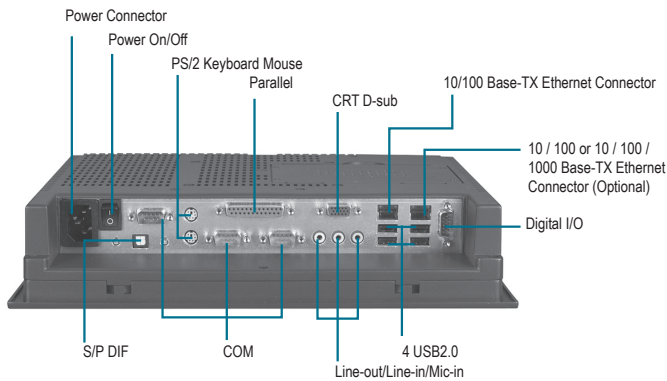
## Features

- 12.1" TFT LCD
- Onboard Ultra Low Voltage Intel® Celeron® Processor at 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 5.0 and Windows® XP Embedded (Optional)
- Up to 8 in or 8 out Digital I/O
- Slim and Fanless Solution
- Dual Independent Displays (Under Windows® XP)



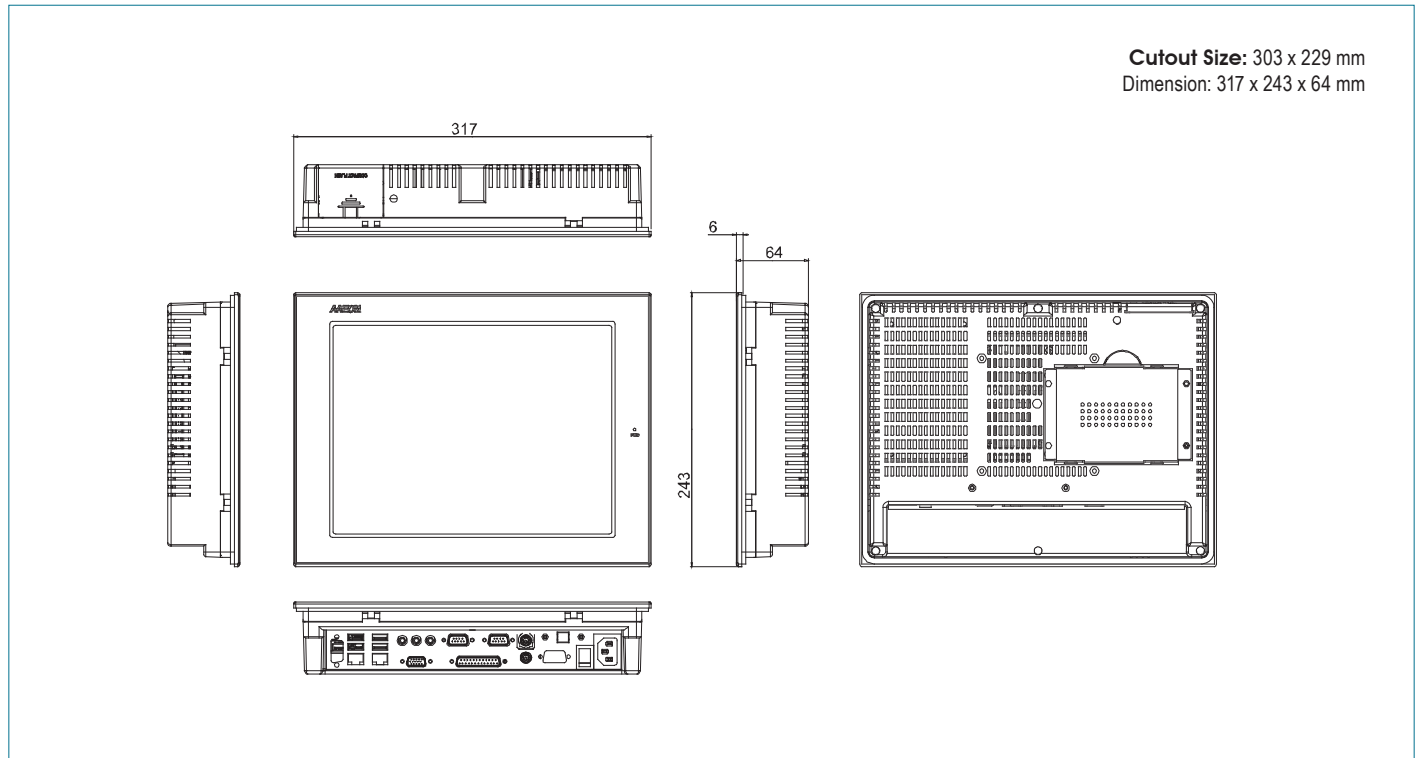
## Specifications

System	
Processor	Onboard Ultra Low Voltage Intel® Celeron® processor at 650MHz
Memory (Optional)	Onboard 256MB, supports up to 1GB 184-pin DDR SDRAM
LCD/CRT Controller	VIA CLE266, shared up to 32MB
Ethernet	
	Realtek 8100BL 10/100Base-TX RJ-45 x 1 Realtek 8100C 10/100Base-TX RJ-45 x 1 or 8110S 10/100/1000Base-TX RJ-45 x 1 (optional)
I/O Port	
	RS-232 x 2, RS-232/422/485 x 1 (COM 4 is reserved for TouchScreen) Parallel x 1 (supports ECP/EPP) PS/2 mouse x 1 PS/2 keyboard x 1 VGA x 1 USB2.0 x 4 MIC-in, Line-in, Line-out, S/P DIF-out Digital I/O x 1 (Supports up to 8-in or 8-out)
Storage Disk Drive (Optional)	Anti-vibration 2.5" Hard Disk Drive
Expansion Slot	Mini PCI slot x 1, CompactFlash™ slot x 1
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) (422mm x 196mm x 404mm)
Gross Weight	10 lb (4.5 kg)
Net Weight	7.7 lb (3.5 kg)
Environmental	
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Storage 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	Input: 90V AC ~ 264V AC @ 47~63Hz
DC input 70W	Input: 24V DC



# AOP-8120HT/WT

**Dimension** Unit: mm



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

LCD		
Models	AOP-8120HT Series	AOP-8120WT Series
Display Type	12.1" TFT LCD	12.1" TFT LCD
Max. Resolution	1024 x 768	800 x 600
Max. Colors	262K	262K
Dot Size	0.3075mm x 0.3075mm	0.3075mm x 0.3075mm
Luminance (Typical)	200 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>
Viewing Angle	90°(H) / 70°(V)	140°(H) / 120°(V)
Back Light MTBF (Hours)	15,000	50,000
TouchScreen		
Type	8-wire, Analog Resistive	
Resolution	2048 x 2048	
Light Transmission	>78%	
Lifetime	1 million activations	

## Ordering Information

- **TF-AOP-8120HT-A1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" TFT, Ethernet and TouchScreen
- **TF-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
- **TF-AOP-8120HT-E2**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" TFT, TouchScreen and Windows® CE. Net 4.2 CN (Simplified Chinese) on 64MB DOM
- **TF-AOP-8120HT-P1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" TFT, TouchScreen and Windows® XP Embedded (English) on 512MB DOM
- **TF-AOP-8120WT-A1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" 350 nits TFT, AC, Ethernet and TouchScreen
- **TF-AOP-8120WT-A2**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" 350 nits TFT, DC 24V, Ethernet and TouchScreen

## Optional Accessories

- **TF-AOP-8120WT-P1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" 350 nits TFT, TouchScreen and Windows® XP Embedded (English) on 512MB DOM
- **TF-AOP-8120WT-E1**  
Intel® ULV Celeron® 650MHz Fanless Operator Panel with 12.1" 350 nits TFT, TouchScreen and Windows® CE. Net 4.2 (English) on 32MB DOM
- **9741666646**  
Wireless LAN Kit, IEEE802.11b/g, with Antenna
- **STAND-8150B0**  
Desktop Stand with VESA 100mm Standards
- **ARM-WK075-0**  
Wallmount Kit with VESA 75/100mm Standards
- **ARM-LA0115**  
Swivel Arm with VESA 75/100mm Standards
- **2.5" Hard Disk Drive**
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)