

# AHM-6XX8 Series

Ultra low power consumption HMI/Intel Atom Z5XX



## Features



Ultra Low Power Consumption



Front Panel IP 65



Overlay Resistive Touch



Wide Range DC 11~32V Power Input



On Board 1GB DDR2 400 MHz Memory

# AHM-6XX8 Series

AHM-6058/AHM-6088(A)/AHM-6108/AHM-6128

## External I/O Port

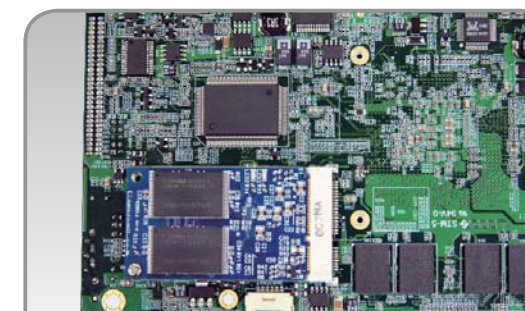


### AHM-6058

- 2 x USB ports
- 2 x RJ-45 ports
- 1 x DB-9 (COM1, RS-232)
- 1 x DB-9 (COM2, RS-232/422/485, default RS-232)
- 1 x Audio Line-out
- 1 x DC power input



### AHM-6088



AHM-6088A mini SATA Support



### AHM-6108

- 2 x USB ports
- 2 x RJ-45 ports
- 1 x DB-9 (COM1, RS-232)
- 1 x DB-9 (COM2, RS-422/485, default RS-232)
- 1 x VGA port
- 1 x Line-out
- 1 x DC power input



### AHM-6128

- 2 x USB ports
- 2 x RJ-45 ports
- 2 x DB-9 (COM1/3, RS-232)
- 1 x DB-9 (COM2, RS-232/422/485, default RS-232)
- 1 x VGA port
- 1 x Line-out
- 1 x DC power input

# AHM-6XX8 Series

Ultra low power consumption HMI/Intel Atom Z5XX

## Specifications

Model No.	AHM-6088A	AHM-6088	AHM-6058	AHM-6108	AHM-6128
<b>System</b>					
<b>Processor</b>	Intel Atom Z510 P	Intel Atom Z510 1.1 GHz processor, Z530 1.6 GHz for option			
<b>System Memory</b>	1 GB DDR2 400 MHz DRAM				
<b>System Chipset</b>	Intel US15W				
<b>External I/O Port</b>	<ul style="list-style-type: none"> <li>• 4 x USB ports</li> <li>• 1 x RJ-45 ports</li> <li>• 1 x DB-9 (COM1, RS-232)</li> <li>• 1 x DB-9 (COM2, RS-232/422/485, default RS-232)</li> <li>• 1 x DC power input</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x USB ports</li> <li>• 2 x RJ-45 ports</li> <li>• 1 x DB-9 (COM1, RS-232)</li> <li>• 1 x DB-9 (COM2, RS-232/422/485, default RS-232)</li> <li>• 1 x Audio Line-out</li> <li>• 1 x DC power input</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x USB ports</li> <li>• 2 x RJ-45 ports</li> <li>• 1 x DB-9 (COM1, RS-232)</li> <li>• 1 x DB-9 (COM2, RS-422/485, default RS-232)</li> <li>• 1 x VGA port</li> <li>• 1 x Line-out</li> <li>• 1 x DC power input</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x USB ports</li> <li>• 2 x RJ-45 ports</li> <li>• 2 x DB-9 (COM1/3, RS-232)</li> <li>• 1 x DB-9 (COM2, RS-232/422/485, default RS-232)</li> <li>• 1 x VGA port</li> <li>• 1 x Line-out</li> <li>• 1 x DC power input</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x USB ports</li> <li>• 2 x RJ-45 ports</li> <li>• 2 x DB-9 (COM1/3, RS-232)</li> <li>• 1 x DB-9 (COM2, RS-232/422/485, default RS-232)</li> <li>• 1 x VGA port</li> <li>• 1 x Line-out</li> <li>• 1 x DC power input</li> </ul>
<b>Solid Storage Disk</b>	<ul style="list-style-type: none"> <li>• 1 x 2.5" SATA HDD</li> <li>• 1 x m SATA Slot</li> </ul>	None			<ul style="list-style-type: none"> <li>• 1 x 2.5" PATA HDD</li> <li>• 1 x CF Slot (internal)</li> </ul>
<b>Expansion Slots</b>	None				
<b>OS Support</b>	Windows XP, Windows CE 5.0, XP Pro, XP Embedded				
<b>LCD</b>					
<b>Display Type</b>	8" TFT-LCD	5.7" TFT-LCD	10.4" TFT-LCD	12.1" TFT-LCD	
<b>Max. Resolution</b>	800x600	640x480	800x600	800x600	
<b>Max. Color</b>	262K				
<b>Luminance (cd/m<sup>2</sup>)</b>	400	400	250	350	
<b>View Angle</b>	H:130° / V:120°	H:140° / V:100°	H:130° / V:110°	H:140° / V:110°	
<b>Backlight Lifetime</b>	40,000 hrs	40,000 hrs	20,000 hrs	50,000 hrs	
<b>Touch Screen</b>					
<b>Type</b>	Overlay Resistive Touch				
<b>Light Transmission</b>	80%				
<b>Power Supply</b>					
<b>Power Input</b>	DC 9-32V	DC 11-32V			
<b>Mechanical</b>					
<b>Construction</b>	Plastic molding housing	Plastic molding front panel and metal housing	Plastic molding housing	Plastic molding front panel and metal housing	
<b>IP Rating</b>	Front Panel IP 65				
<b>Mounting</b>	Panel / VESA 75x75 Mount				
<b>Dimension</b>	231(W)x176(H)x57(D) mm	204(W)x149(H)x65(D) mm	270.5(W)x212.5(H)x57(D) mm	317(W)x243(H)x58(D) mm	
<b>Net Weight</b>	1.7kgs	1.3kgs	1.9kgs	2.8kgs	
<b>Environmental</b>					
<b>Operating Temperature</b>	0-50 °C				
<b>Storage Temperature</b>	-20-60 °C				
<b>Storage Humidity</b>	10-90% @40 °C non-condensing				
<b>Certificate</b>	CE/FCC Class A				

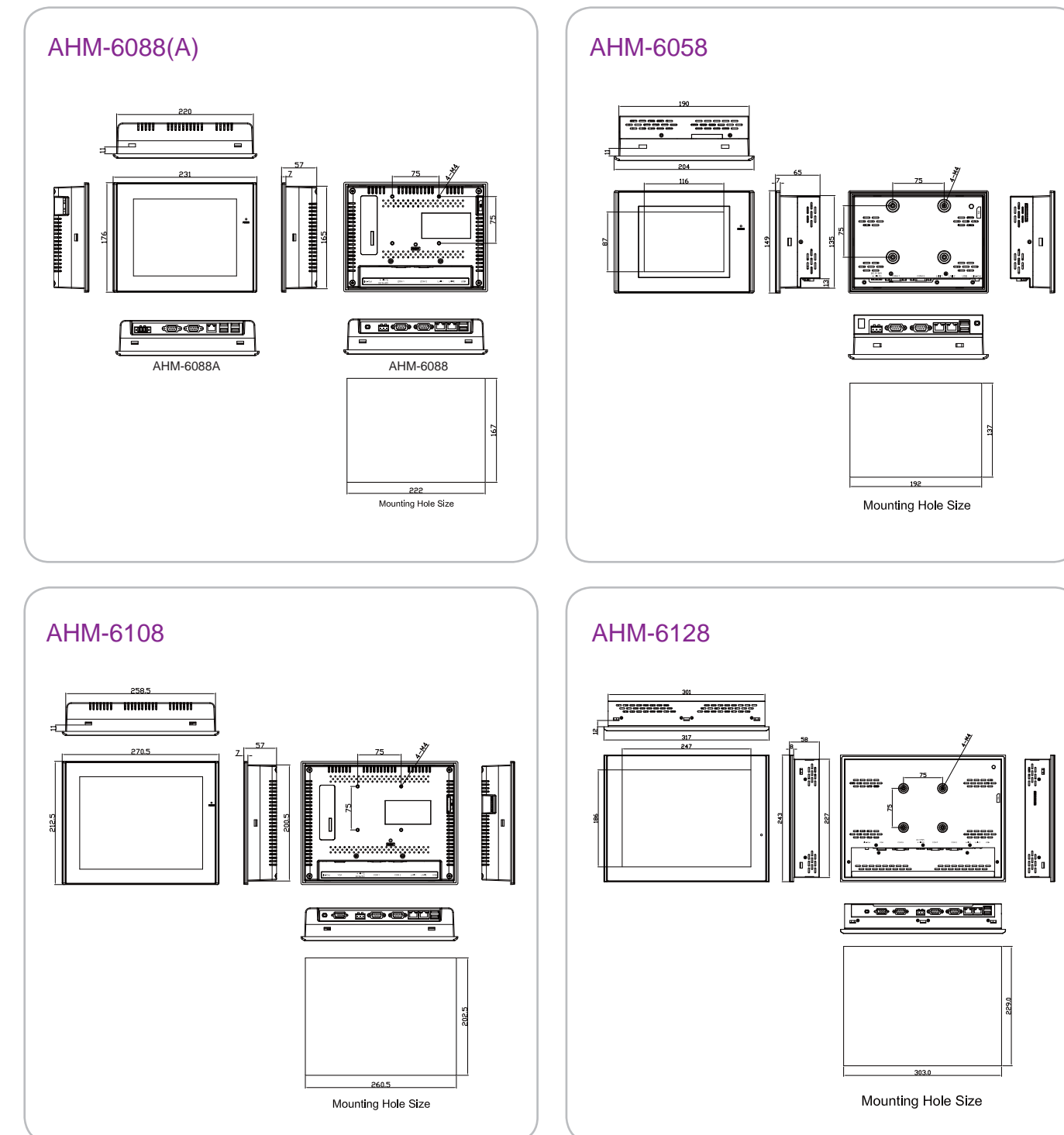
Ordering Information	
Model	Description
AHM-6058-06	5.7" VGA 640 x 480 HMI, Intel Atom Z510 1.1G CPU , onboard 1GB DDR2 memory,overlay resistive touch screen, 11-32V DC input with adaptor, plastic front/Steel back
AHM-6088-04	8" SVGA 800 x 600 Intel Atom Z510 1.1G CPU , onboard 1GB DDR2 memory,overlay resistive touch screen, 11-32V DC input with adaptor, plastic enclosure
AHM-6088A	8" SVGA 800 x 600 Intel Atom Z510P 1.1G CPU , onboard 1GB DDR2 memory,overlay resistive touch screen, 9-32V DC input with adaptor, plastic enclosure
AHM-6108-03	10" SVGA 800 x 600 Intel Atom Z510 1.1G CPU , onboard 1GB DDR2 memory,overlay resistive touch screen, 11-32V DC input with adaptor, plastic enclosure
AHM-6108-08	10" SVGA 800 x 600 Intel Atom Z530 1.6G CPU , onboard 1GB DDR2 memory,overlay resistive touch screen, 11-32V DC input with adaptor, plastic enclosure

# AHM-6XX8 Series

AHM-6058/AHM-6088(A)/AHM-6108/AHM-6128

## Dimensions

unit:mm



Ordering Information	
Model	Description
AHM-6128-04	12" SVGA 800 x 600 Intel Atom Z510 1.1G CPU , onboard 1GB DDR2 memory,overlay resistive touch screen, 11-32V DC input with adaptor, plastic front/Steel back
AHM-6128-13	12" SVGA 800 x 600 Intel Atom Z530 1.6G CPU , onboard 1GB DDR2 memory,overlay resistive touch screen, 11-32V DC input with adaptor, plastic front/Steel back