

Ultra-compact Industrial PC with 4 x UARTs ( 2 x RS-232/422/485, 2 x RS-232 )



## Features

- 1 x full length mini-PCIe + USIM
- 1 x half length mini-PCIe
- 1 x mSATA, 1 x SATA
- 8-bit isolation GPI, 8-bit isolation GPO
- 2 x GbE
- 4 x USB 3.0, 4 x UART
- Wide Range DC Voltage Input: 9V~32V
- 3rd Gen. Intel® Atom™ Processor, Celeron® Processor Bay Trail platform
- Dimension: 138 x 100 x 57mm ( 5.43"x 3.93"x 2.24")

## System

CPU	Intel® Celeron® J1900 Quad Core 2.00GHz, L2 cache 2MB Intel® Celeron® N2807 Dual Core 1.58GHz, L2 cache 1MB
Graphic	Intel® Gen.7 HD Graphics
Storage	1 x mSATA and 1 x SATA Connector 2 x mSATA socket(Optional) 2.5"HDD/SSD (Optional) CFast slot (Optional) 1 x push-push USIM slot
Chipset	SoC integrated
BIOS	AMI Aptio® UEFI 2.x firmware
System Memory	Base on CPU Modules, Max to 8GB
Watchdog	Multistage watchdog

## I/O

Display	1 x HDMI/VGA and 1 x DP 1 x 8-bit Isolation GPI , 1 x 8-bit Isolation GPO
Audio	1 x Audio (Line-out), 1 x MIC
USB	1 x USB 2.0 , 4 x USB 3.0/2.0
Serial	2 x RS-232/422/485, 2 x RS-232
LAN	2 x GbE Ethernet
Power	1 x Power Button
LED	1 x LED for (HDD/SSD)

## Expansion

USB	1 x USB2.0 internal
PCIe	1 x half-size PCI Express Mini card (PCIe+USB) 1 x full-size PCI Express Mini card (PCIe+USB+USIM)

## Environment & Mechanical

### Headquarter

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# SmartAIO

Power Supply	2-Pin Terminal Block DC Input 9V~32V±5% DC internal Output 5V/0.75A , 12V/0.75A
Temperature Operation	0°C ~+60°C, -20°C ~+70°C (Optional)
Temperature Storage	-45°C ~+85°C
Humidity Operation	10%-90% (non-condensing)
Humidity Storage	-40°C ~+85°C,(40°F~185°F)
Dimension(W x D x H)	138 x 100 x 57 mm (5.43" x 3.93" x 2.24")
<b>Certification &amp; Optional OS Installation</b>	
OS	Linux Microsoft® Windows 8 Microsoft® Windows 8 embedded Microsoft® Windows 7 Microsoft® Windows 7 embedded compact
Certification	CE / FCC class A

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Note : All product specifications are subject to change without notice

Model	Description
<b>U7-331</b>	<p>U7-333 Fanless Box PC,</p> <p>CPU: Intel® Celeron® N2807 (4x 2GHz, 2MB L2Cache, 10W)</p> <p>Memory: DDR3L 4GB/1333MHz on-board</p> <p>Front Side</p> <ul style="list-style-type: none"> <li>• 1 x HDMI</li> <li>• 4 x USB 3.0/2.0</li> <li>• 2 x 10/100/1000Mbps Ethernet</li> <li>• 2 x Antenna holes</li> </ul> <p>Rear Side</p> <ul style="list-style-type: none"> <li>• 1 x HDD LED</li> <li>• 1 x Isolation GPI/O (8 bit)</li> <li>• 1 x power on/off button</li> <li>• 9-32V Power input</li> </ul> <p>Left Side/ Right Side</p> <ul style="list-style-type: none"> <li>• 2 x RS-232/422/485 (Left Side)</li> <li>• 2 x RS-232 (Right Side)</li> </ul>
<b>U7-333</b>	<p>U7-333 Fanless Box PC,</p> <p>CPU: Intel® Celeron® N2807 (4x 2GHz, 2MB L2Cache, 10W)</p> <p>Memory: DDR3L 4GB/1333MHz on-board</p> <p>Front Side</p> <ul style="list-style-type: none"> <li>• 1 x HDMI</li> <li>• 4 x USB 3.0/2.0</li> <li>• 2 x 10/100/1000Mbps Ethernet</li> <li>• 2 x Antenna holes</li> </ul> <p>Rear Side</p> <ul style="list-style-type: none"> <li>• 1 x HDD LED</li> <li>• 1 x Isolation GPI/O (8 bit)</li> <li>• 1 x power on/off button</li> <li>• 9-32V Power input</li> </ul> <p>Left Side/ Right Side</p> <ul style="list-style-type: none"> <li>• 2 x RS-232 (Right Side)</li> </ul>
<b>U7-331T</b>	<p>U7-300T Fanless Box PC,</p> <p>CPU: Intel® Celeron® J1900 (4x 2GHz, 2MB L2Cache, 10W)</p> <p>Memory: DDR3L 4GB/1333MHz on-board</p> <p>Front Side</p> <ul style="list-style-type: none"> <li>• 1 x HDMI</li> <li>• 4 x USB 3.0/2.0</li> <li>• 2 x 10/100/1000Mbps Ethernet</li> <li>• 2 x Antenna holes</li> </ul> <p>Rear Side</p> <ul style="list-style-type: none"> <li>• 1 x HDD LED</li> <li>• 1 x Isolation GPI/O (8 bit)</li> <li>• 1 x power on/off button</li> <li>• 9-32V Power input</li> </ul> <p>Left Side/ Right Side</p> <ul style="list-style-type: none"> <li>• 2 x RS-232/422/485 (Left Side)</li> <li>• 1 x VGA (Right Side)</li> <li>• 1 x RS-232 (Right Side)</li> </ul>

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# SmartAIO

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