# SmartAIO Series U7-300 PRODUCT BROCHURE




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

**Part number:** U7-300

## Features

- Rich I/O design:
  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 |
| **Chipset** | SoC Integrated |
| **BIOS** | AMI Aptio® UEFI 2.x firmware |
| **Graphics** | Intel® Gen.7 HD Graphics |
| **System Memory** | Base on CPU Modules, Max to 8GB |
| **Storage** | 1 x mSATA and 1 x SATA connector |
| | 2 x mSATA (Optional |
| | 2.5"HDD/SSD (Optional) |
| | CFast slot (Optional) |
| | 1 x push-push USIM slot |
| **Watchdog Timer** | Multistage Watchdog |
| **I/O** | 4 x USB 3.0/2.0 |
| | 2 x RS-232/422/485, 2 x RS-232 |
| | 1 x HDMI |

* All product specifications are subject to change without notice

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| | |
|---|---|
| 1 x 8-bit Isolation GPI | |
| 1 x 8-bit Isolation GPO | |
| 2 x GbE Ethernet | |
| 1 x Audio (Line-out), 1 x MIC | |
| 1 x Power Button | |
| 1 x LED for (HDD/SSD) | |
| **Expansion Slot** | 1 x full-size PCI Express Mini card (PCIe+USB+USIM) |
| | 1 x half-size PCI Express Mini card (PCIe+USB) |
| | 1 x USB2.0 internal |
| **Power Supply** | 2-Pin Terminal Block DC Input 9V~32V±5% |
| | DC internal Output 5V/0.75A ,12V/0.75A |
| **Dimensions** | 138mm x 100mm x 57mm |

## Environmental

| | |
|---|---|
| **Operating Temperature** | 0°C ~ +60°C |
| | -20°C ~ +70°C (Optional) |
| **Storage Temperature** | -45°C ~ +85°C |
| **Operating Humidity** | 10% - 90% (non-condensing) |
| **Storage Humidity** | 5% - 95% (non-condensing) |
| **Certificate** | CE / FCC class A |
| **Optional OS Installation** | Microsoft® Windows 8 |
| | Microsoft® Windows 8 embedded |
| | Microsoft® Windows 7 |
| | Microsoft® Windows 7 embedded compact |
| | Linux |



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