

AIR S500

Retail Analytics Engine



Main Features

- 8th Generation Intel® Core™ processor family
- NVIDIA® GeForce series graphic card
- Intel® Movidius™ VPU accelerator card
- Hardware monitor and management
- Watch Dog timer
- AI computing related applications

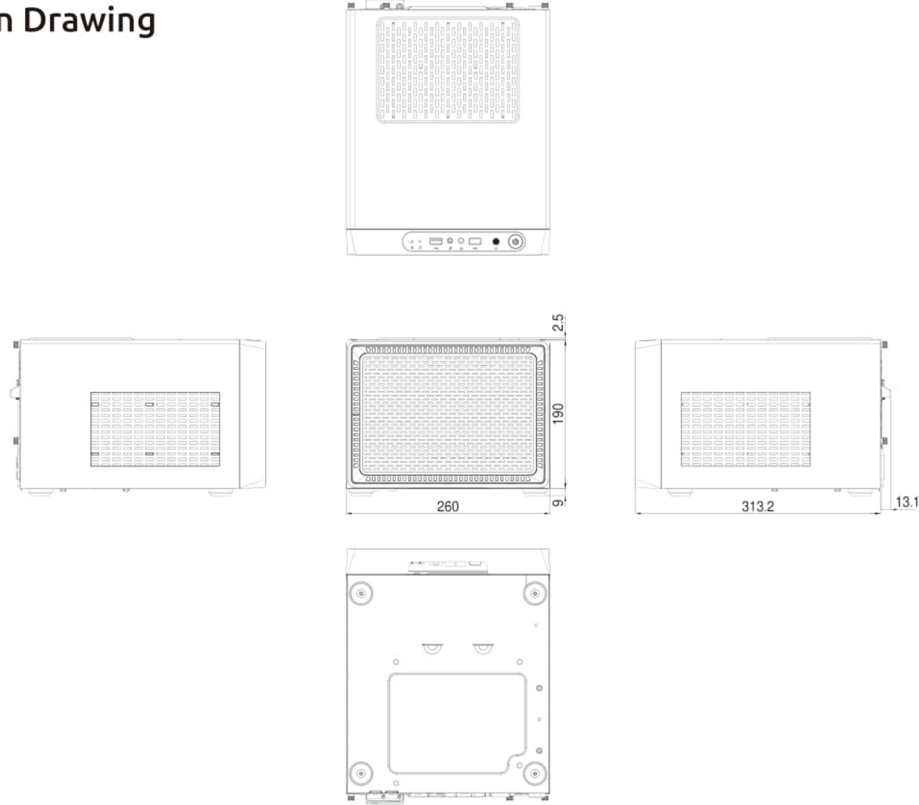
Product Overview

NexCOBOT AIR S500 series are powerful mini servers with Intel Core 8th Generation Processors that work with Nvidia GeForce series or Intel Movidius™ Accelerator Cards (Myriad-X 2485 VPUs*8) for AI computing related applications. AIR mini servers' compacted design is ideal for retail stores, shopping centers, and off-line stores. With the analysis software and a dedicated camera, AIR S500 series are applicable in various fields, such as self-checkout system, facial recognition monitoring systems, customer behavior analysis, surveillance system, video stream analytics and so on. Business owners can utilize the AIR S500 series to collect data for analysis, control customer journey in the store, and optimize the business operation.

Specifications

Model Name	AIR S500	AIR S530	AIR S550	AIR S570
Processor	- Supports Intel® Socket 1151 for 8 th Generation Core™ processors up to 65W	- Intel i3-8100	- Intel i5-8400	- Intel i7-8700
Memory	- 2x DDR4 DIMM slot, support up to 32GB	- DDR4 8G	- DDR4 16G	- DDR4 16G
Accelerator Card	- PCIe x16 slot for NVIDIA GTX/RTX graphic card or AIBooster X8 (8 x Intel Myriad X VPU)	- GTX 1660Ti 6G (default) - Optional: AIBooster X8 (8 x Intel Myriad X VPU)	- RTX 2060 6G (default) - Optional: AIBooster X8 (8 x Intel Myriad X VPU)	- RTX 2070 8G (default) - Optional: AIBooster X8 (8 x Intel Myriad X VPU)
M/B Model	- Mini-ITX form factor	- Mini-ITX form factor	- Mini-ITX form factor	- Mini-ITX form factor
Chipset	- Intel H310	- Intel H310	- Intel H310	- Intel H310
Ethernet	- 1x Gigabit LAN, support WOL	- 1x Gigabit LAN, support WOL	- 1x Gigabit LAN, support WOL	- 1x Gigabit LAN, support WOL
I/O-Back (M/B)	- 1x PS/2 Keyboard & Mouse combo port - 1x DVI-D - 1x D-Sub - 1x HDMI - 1x LAN port (RJ45) - 2x USB 3.1 - 2x USB 2.0 - 3x Audio Jack(s)	- 1x PS/2 Keyboard & Mouse combo port - 1x DVI-D - 1x D-Sub - 1x HDMI - 1x LAN port (RJ45) - 2x USB 3.1 - 2x USB 2.0 - 3x Audio Jack(s)	- 1x PS/2 Keyboard & Mouse combo port - 1x DVI-D - 1x D-Sub - 1x HDMI - 1x LAN port (RJ45) - 2x USB 3.1 - 2x USB 2.0 - 3x Audio Jack(s)	- 1x PS/2 Keyboard & Mouse combo port - 1x DVI-D - 1x D-Sub - 1x HDMI - 1x LAN port (RJ45) - 2x USB 3.1 - 2x USB 2.0 - 3x Audio Jack(s)
I/O-Top (Chassis)	- 1x Power switch - 1x Reset switch - 1x Mic jack - 1x Line out jack - 1x USB 3.0 - 1x USB 2.0 - 1x Power LED - 1x Active LED	- 1x Power switch - 1x Reset switch - 1x Mic jack - 1x Line out jack - 1x USB 3.0 - 1x USB 2.0 - 1x Power LED - 1x Active LED	- 1x Power switch - 1x Reset switch - 1x Mic jack - 1x Line out jack - 1x USB 3.0 - 1x USB 2.0 - 1x Power LED - 1x Active LED	- 1x Power switch - 1x Reset switch - 1x Mic jack - 1x Line out jack - 1x USB 3.0 - 1x USB 2.0 - 1x Power LED - 1x Active LED

Dimension Drawing



Model Name	AIR S500	AIR S530	AIR S550	AIR S570
Expansion	- 1x M.2 slot, M key, 2260/2280 storage (SATA & PCIe x 4) - 1 x M.2 Socket 1 with E Key, type 2230 WiFi/BT devices support or PCIe/USB/CNVi mode	- 1x M.2 slot, M key, 2260/2280 storage (SATA & PCIe x 4) - 1 x M.2 Socket 1 with E Key, type 2230 WiFi/BT devices support or PCIe/USB/CNVi mode	- 1x M.2 slot, M key, 2260/2280 storage (SATA & PCIe x 4) - 1 x M.2 Socket 1 with E Key, type 2230 WiFi/BT devices support or PCIe/USB/CNVi mode	- 1x M.2 slot, M key, 2260/2280 storage (SATA & PCIe x 4) - 1 x M.2 Socket 1 with E Key, type 2230 WiFi/BT devices support or PCIe/USB/CNVi mode
Storage	- 1 x 3.5" SATA hard drive	- 1x 1TB, 3.5"	- 1x 1TB, 3.5"	- 1x 1TB, 3.5"
Chassis Dimension	- 260mm (W) x 202mm (H) x 326mm (D)	- 260mm (W) x 202mm (H) x 326mm (D)	- 260mm (W) x 202mm (H) x 326mm (D)	- 260mm (W) x 202mm (H) x 326mm (D)
Power Supply	- 500W	- 400W	- 500W	- 500W
Environment	- Operating temperature: 0 °C to 40 °C - Humidity: 10 to 90% (non-condensing)	- Operating temperature: 0 °C to 40 °C - Humidity: 10 to 90% (non-condensing)	- Operating temperature: 0 °C to 40 °C - Humidity: 10 to 90% (non-condensing)	- Operating temperature: 0 °C to 40 °C - Humidity: 10 to 90% (non-condensing)
Development Tool Kit	- Intel OpenVINO Toolkit	- Intel OpenVINO Toolkit	- Intel OpenVINO Toolkit	- Intel OpenVINO Toolkit
Operating System	- Windows 10, 64-bit Linux	- Windows 10, 64-bit Linux	- Windows 10, 64-bit Linux	- Windows 10, 64-bit Linux
Certifications	- CE, FCC Class A	- CE, FCC Class A	- CE, FCC Class A	- CE, FCC Class A

Ordering Information

- **AIR S500 (P/N:6879S500T004F)**
Supports Intel® Socket 1151 for 8th Generation Core™ processors up to 65W
PCIe x16 slot for NVIDIA GTX/RTX graphic card or AIBooster-X8 (8 Myriad-X VPU), 500W power supply
- **AIR S530 (P/N:6879S530T005F)**
Intel® Core™ i3-8100, 8G DDR4, GeForce GTX 1660 TI MINI ITX OC 6G, 1TB SATA3 Hard Drive, 450W power supply
- **AIR S550 (P/N:6879S550T006F)**
Intel® Core™ i5-8400, 16G DDR4, GeForce RTX 2060 MINI ITX OC 6G, 1TB SATA3 Hard Drive, 500W power supply

- **AIR S570 (P/N:6879S570T007F)**
Intel® Core™ i7-8700, 16G DDR4, GeForce GTX 2070 MINI ITX 8G, 1TB SATA3 Hard Drive, 500W power supply

Optional

- **AIBooster-X8 (P/N:10E000AIB00X0)**
Intel® Movidius MA2485 VPUx8 PCIe x4card
- **VEGA-320 (P/N:6875VG320MM2F)**
Intel® Movidius MA2485 VPUx1 M.2 2230 (Key A+E)