

Airtop3



Specifications

<p>Model</p>	<p>NAME Airtop3 Barebone</p> <p>PART NUMBER AIRTOP3-C4900 AIRTOP3-C9900 AIRTOP3-C9500 AIRTOP3-C9700 AIRTOP3-CE2244 AIRTOP3-CE2288</p> <p>BLOCK DIAGRAM Airtop3 Block Diagram</p> <p>CURRENT HW REVISION N/A</p> <p>LONG TERM AVAILABILITY Yes – 15 years availability (specifications may be upgraded or changed)</p>
<p>Processor</p>	<p>TYPE Intel Celeron G4900 Intel 9th Gen i9-9900 Intel Core i5-9500 Intel Core i7-9700 Intel Xeon E-2244G Intel Xeon E-2288G</p> <p>SOCKET FCLGA1151</p> <p>CORES 64-bit Dual Core 8 core 64-bit 6 core 64-bit 8 core 64-bit Quadro core 64-bit 8 core 64-bit</p> <p>CLOCK SPEED 3.1 GHz 3.1 GHz (boosts up to 5.0 GHz) 3GHz (boosts up to 4.4 GHz) 3GHz (boosts up to 4.7GHz) 3.8GHz (boosts up to 4.8GHz) 3.7GHz (boosts up to 5.0GHz)</p> <p>TDP 54W 65W 65W 65W 71W 95W</p> <p>CHIPSET Intel C246 Chipset</p>
<p>Memory</p>	<p>SUPPORTED Dual channel unbuffered DDR4-2666 ECC/non-ECC up to 128GB (4x DIMM slots).</p> <p>INSTALLED Not installed</p>
<p>Storage</p>	<p>SUPPORTED 2x NVMe – M.2 key M 2280 2260 2242 2230 - PCIe x4 4x 2.5" SATA 3.0 HDD/SSD with RAID support Optional NVM3 card with 3x NVMe – 3x NVME M.2 key M up to 22110 / NF1 30110</p> <p>INSTALLED Not installed</p>

Integrated Graphics	<p>GPU</p> <p>DISPLAY INTERFACE 1</p> <p>DISPLAY INTERFACE 2</p> <p>DISPLAY INTERFACE 3</p>	<p>Intel UHD Graphics 630 Up to 3x independent displays supported</p> <p>DisplayPort 1.2 (4K @ 60Hz)</p> <p>DisplayPort 1.2 (4K @ 60Hz)</p> <p>HDMI 1.4 (4K @ 24Hz)</p>
Discrete Graphics	<p>GPU</p> <p>DISPLAY INTERFACE 1</p> <p>DISPLAY INTERFACE 1</p> <p>DISPLAY INTERFACE 1</p> <p>DISPLAY INTERFACE 1</p> <p>DISPLAY INTERFACE 1</p>	<p>Optional NVIDIA Quadro RTX 4000 8GB GDDR6 Optional GeForce GTX 1660 Ti 6GB GDDR6</p> <p>Optional DisplayPort 1.4 Or DisplayPort 1.4 (4K @ 120Hz)</p> <p>Optional DisplayPort 1.4 Or DisplayPort 1.4 (4K @ 120Hz)</p> <p>Optional DisplayPort 1.4 Or DisplayPort 1.4 (4K @ 120Hz)</p> <p>Optional Virtual link (HDR 5K @ 60Hz HDR 4K @ 120Hz) Or HDMI 2.0b (4K @ 60Hz)</p>
Audio	<p>CODEC</p> <p>AUDIO OUTPUT</p> <p>AUDIO INPUT</p>	<p>Realtek ALC1150 audio codec</p> <p>Optical S/PDIF output (Toslink) Analog 2-ch stereo output 3.5mm jack</p> <p>Analog microphone input 3.5mm jack</p>
Networking	LAN	<p>2x GbE LAN ports LAN1: Intel i210 LAN2: Intel i219</p>

Wireless	WLAN BLUETOOTH CELLULAR	WLAN 802.11ac (2.4/5GHz dual band Intel) Bluetooth 4.2 micro SIM slot
Connectivity	USB3 USB2 SERIAL	6x USB3.1 gen 1 type-A (rear) 2x USB3.1 gen 2 (type-C + type-A) (front) + 1x USB3.1 gen 1 type A (front panel, on FM-AT3 FACE module) N/A 3x RS232 ports full UART
Extension Cards	PCI EXPRESS M.2 Key E M.2 Key B FACE MODULES	1x PCIe x16 Gen 3 PEG (shared with graphics Card) Yes Yes Yes
Advanced Technologies	VPRO AMT CPU VIRTUALIZATION AES SPECIAL FUNCTIONALITY	No Yes Yes Yes Yes Natural Airflow (NAF) cooling Redundant power Discrete TPM I3M (integrated interactive information monitor) Digital power & reset management using FPGA Clamshell opening System diagnostics LEDs (on FM-AT3) Configurable auto-on
BIOS	VENDOR FEATURES	AMI Aptio V UEFI 2.5 EDK II PI 1.4 ACPI 6 Secure Boot

Operating System	SUPPORTED	Windows 10 Linux Mint (compatible with other Linux variants) Compatible with other hypervisors and operating Systems (e.g. ESXi, FreeBSD)
	INSTALLED	Not installed
Operating Conditions	INPUT VOLTAGE	19 – 24VDC input Dual power input for redundancy
	POWER CONSUMPTION	8W – 300W
	OPERATING TEMPERATURE	Standard: 0°C to 45°C Extended (TE): -20°C to 70°C Industrial (TI): -40°C to 70°C
	RELATIVE HUMIDITY MTTF	5% to 95% (non condensing) N/A
Enclosure	MATERIAL	All Aluminum
	COOLING	Natural Airflow (NAF) cooling
	DIMENSIONS	10cm (W) x 30cm (H) x 25.5cm (D) 4" (W) x 12" (H) x 10" (D)
	WEIGHT	4.5kg – 7.5kg (depending on configuration)
Package	IN THE BOX	1. Airtop computer 2. Power supply: input 115-230VAC 50/60Hz, 250W output 19VDC 13.15A 3. 16x M3 screws for HDD
	WARRANTY NOTES	5 years 1. Nominal input voltage: 19V 2. Add-on slot features full height PCI Express cards 4. For use with Cellular Modem kit 5. N/A in Broadwell desktop processors SKUs 6. Software RAID functionality 7. Patent pending Natural Airflow (NAF) fanless Cooling technology 8. Consult storage temperature ratings