

Airtop3

Fanless industrial workstation with extreme performance capacity

- Fanless cooling by Natural Airflow Technology
- Core i9 9900K 8-core CPU + Quadro RTX 4000 graphics
- Up to 128 GB RAM and 6 storage devices
- Rich networking and I/O with support for extension cards
- Compact 7.5 liter all-aluminium housing
- User-friendly industrial design with tool-free service
- Wide temperature range
- 5 year warranty



Category	Specification	Details
CPU	Supported processors	Intel Xeon E-2278GE • Xeon E-2176G • Core i9-9900K • Core i7-9700E • Core i5-9500E • Celeron G4900T
	Compatibility	9th-gen Xeon E & Core processors • Additional CPUs available for volume orders
Chipset	Intel C246	—
RAM	Capacity	Up to 128 GB DDR4 (ECC or non-ECC)
	Slots	4 × DIMM DDR4-2666 (unbuffered)
Storage	NVMe	2 × NVMe M.2 Key-M (2280/2260/2242/2230) • PCIe x4 • One port also supports SATA 3 (6 Gbps)
	2.5" bays	4 × 2.5" HDD/SSD (4 × 9.5 mm or 2 × 15 mm)
	Optional NVM3	3 × NVMe M.2 Key-M (2260/2280/22110)
Graphics & Display	Integrated	Intel UHD Graphics 630
	Outputs	2 × DisplayPort 1.2 (4K @ 60 Hz) • 1 × HDMI 1.4 (4K @ 24 Hz)
	Optional GPU	NVIDIA RTX A2000 12 GB • NVIDIA GeForce RTX 4060
	Multi-display	Integrated + discrete GPU can drive up to 7 displays
Networking – LAN	On-board	Dual GbE (Intel I219 + I210)
	Optional FACE modules	4 × GbE • 4 × GbE + PoE • 2 × optical LAN (SFP+) • Ethernet bypass
Wireless LAN (optional)	Wi-Fi / BT	802.11ac + BT 4.2 • M.2 Key-E 2230 + 2 × RP-SMA antennas • User-replaceable
Cellular (optional)	LTE/5G	M.2 Key-B 3042 + 2 × RP-SMA antennas • On-board micro-SIM socket
USB	Rear panel	6 × USB 3.1 Gen 1 Type-A
	Front panel (FM-AT3)	1 × USB 3.1 Gen 2 Type-C • 1 × USB 3.1 Gen 2 Type-A • 1 × USB 3.1 Gen 1 Type-A
Audio	On-board	Realtek ALC1150: line-out • mic • optical S/PDIF
	Front (FM-AT3)	Additional ALC1150: headphones-out • mic
	Digital	Audio over HDMI / DP
Serial	On-board	3 × RS-232 (full UART)

	Optional	FM-SER FACE module: +6 × RS-232/RS-485
Extensions	FACE modules	FM-AT3 • FM-POE • FM-LANE4U4 • FM-OPLN • FM-EBP • FM-SER • FM-XTDM2
	PCIe	1 × PCIe x16 single-slot (standard height) for GPU / NVMe3 / 10 GbE / other PCIe cards
	M.2	Key-E • Key-B + micro-SIM
Extra Features	Cooling	Natural Airflow (NAF) fanless cooling for CPU, GPU, PSU
	Redundant power	2 × DC inputs with automatic failover
	TPM	TPM 2.0
	I3M display	Integrated OLED with keypad for power, thermal, system info
	Power/reset control	FPGA-based sequencing and monitoring
	Serviceability	Clamshell opening • Tool-free RAM & HDD cartridge
	Diagnostics	LEDs for RAM detection, BIOS POST, HDMI/DP detection
	Auto-on	Configurable: On (S0) • Off (S5) • Last state
BIOS & OS	BIOS	AMI Aptio V
	OS support	Windows 10 Pro • Linux Mint • Compatible with other Windows/Linux variants • Hypervisors (ESXi, FreeBSD)
Operating Conditions	Power input	17–24 V
	Power consumption	8–300 W (depends on CPU, GPU, load, devices, peripherals)
	Temperature	–40°C to 70°C (industrial) • Commercial & extended ranges available
	Humidity	5–95% non-condensing
Mechanical	Dimensions	10 × 30 × 25.5 cm (W × H × D)
	Weight	6–9 kg (depending on configuration)
	Housing	All-aluminum • Natural airflow cooling
	Mounting	Wall mount • DIN-rail (optional)