

ML300: Industrial Fanless NUC



ML300 Features

- Energy-efficient CPUs
- HD Capable Graphics
- Ultra small NUC form factor
- System consumes less than 30W
- Optional COM Port
- Smart Power Button with auto power on feature
- Expansion options for additional I/O
- Optional Uninterruptible Power Supply (UPS)
- Dustproof, fanless, ventless chassis
- Up to 3 Antenna for Wi-Fi/Bluetooth (Optional)

US Office

EU Office

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“PUT YOUR NUC WHERE IT DOESN'T BELONG”

Unlike other available NUC-based cases, the ML300 is completely fanless and ventless, protecting against dust, metal shavings, or other debris in industrial applications from sawmills to machine shops. Removing the fan removes a point of failure, creating a solid state solution with no moving parts that will outlast commercial desktops.



EFFICIENT MULTIMEDIA PROCESSING

Why choose between performance and efficiency when you can have both? The CPU draws only 17 watts but is able to tackle processor-intensive multimedia applications. The Intel Core ULV processors in the Core-ML300 feature advanced Intel HD graphics and multiple independent displays for digital signage or advanced kiosk applications.



COOL UNDER PRESSURE

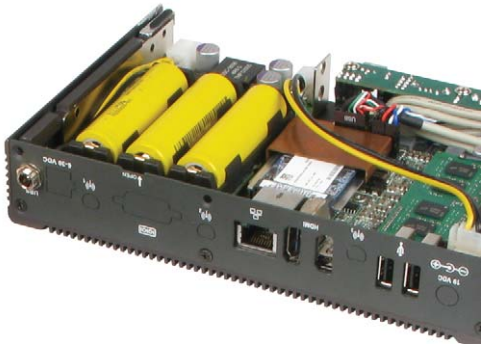
The single-interface heatsink provides optimal heat transfer, further improving cooling performance over other similar cases. Additional heatsinks are also provided for the storage and Wi-Fi, ensuring optimal reliability for the individual components, even during write-intensive or network-intensive operations.



FORM FACTOR: THE NEXT SMALL THING

Measuring 196 x 37 x 131 mm (7.7" x 1.45" x 5.17"), the ML300 is small enough for discreet placement in space-constrained environments, including kiosks or beneath a workstation. Based on Intel's Next Unit of Computing form factor, the ML300 allows for unprecedented performance in a compact footprint.

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EXPANSION: ITS ALL ABOUT OPTIONS

Featuring a unique expansion bay, the Core-ML300 can do what other NUC systems cannot: offer expansion in the form of uniquely industrial I/O. The swappable backplates support all current NUC motherboards, and offer space for up to three wireless antennas as well as an extra RS-232 COM port. To learn about additional configurations including 2.5" HDDs or UPS, contact our Technical Sales Team.



CUSTOMIZABLE / BRANDABLE

"Designed to be redesigned" by our in-house engineering group, the enclosure can be physically reconfigured and branded to your specific requirements without from-scratch development fees and timeframes. Our control over the design and manufacturing also allow us to manage the lifecycle and revision history, ensuring a reliable, consistent solution.



EXCEPTIONAL ENGINEERING

The one-piece extruded aluminum lid creates an optimal surface for efficient heat dissipation. Three screws allow easy access to the internal components and an EMI gasket reduces the risk of electromagnetic and radio frequency interference.



MOUNTING: SET IT AND FORGET IT

The high-quality nickel-plated steel chassis with aluminum extrusion is ideal for environments requiring durability. The built-in VESA MIS-D 75 mm mounting holes allow for display mounting, and the system is available with optional wall and DIN rail brackets for use in a variety of environments.

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SPECIFICATIONS

	ML300 Ski Lake NUC	ML300 Golden Lake NUC	ML300 Rend Lake NUC
PROCESSOR	1.10 GHz Intel Celeron 847E	1.80 GHz Intel Core i3-3217U	2.80 GHz Intel Core i5-3427U
CHIPSET	Intel QS77 Express		
SYSTEM MEMORY	2 x DDR3 1600/1333/1066 SO-DIMM, Up to 16 GB of memory		
GRAPHICS	Intel HD Graphics	Intel HD Graphics 4000	Intel HD Graphics 4000
EXPANSION SLOTS	PCI Express Mini Card (full height), PCI Express Mini Card (half height)		
ONBOARD SERIAL ATA	Internal mSATA port		
ONBOARD USB	2 USB port via pin headers		
ONBOARD LAN	Intel 82579V 10/100/1000	Intel 82579V 10/100/1000	Intel® 82579LM Gigabit Ethernet
ONBOARD AUDIO	Intel High Definition Audio via HDMI v1.4a interfaces	Intel High Definition Audio via HDMI v1.4a interfaces	Intel High Definition 8-channel (7.1) Digital Audio via HDMI 1.4a output DisplayPort 1.1a connector
STORAGE	mSATA: Up to (2x) 2.5" HDD/SSD		
FRONT ACCESS	Power button, 2 x USB 2.0 ports		
BACK PANEL I/O	2 USB 2.0 ports, 1 LAN ports, 2 HDMI ports, 1 19V DC input jack	2 USB 2.0 ports, 1 LAN ports 2 HDMI ports, 1 19V DC input jack	1 LAN port, 1 HDMI, 2 Display ports 2 USB 2.0 ports, 19V DC input jack
POWER CONNECTORS	1 Internal P2 DC power connector, Backpanel 19V DC jack		
BIOS	Intel BIOS, Support for ACPI, Plug and Play and System Management BIOS		
SYSTEM MONITORING	Voltage range monitoring, thermal range monitoring		
OPERATING TEMP.	0°C~50°C (when used with Emphase wide temperature drives)		
DIMENSIONS (WxHxD)	196 x 36.75 x 131.2 mm (7.72" x 1.45" x 5.17")		
OPERATING SYSTEM	Windows 7, Windows 8, Ubuntu		
POWER	DC 19 V (5.5 x 2.5 mm jack), Optional UPS Lithium Batteries		
MOUNTING	Rubber feet, Wall mount (WDMK-1040), DIN rail mounting (DINKit-1040), VESA MISD-75 (VESASK)		
INCLUDES	AC Adapter, Adhesive rubber feet		

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DIMENSIONS

Shown with optional Wall Mounting Brackets (WDMK-1040)

All dimensions in mm

