

» EMBEDDED SYSTEMS

RACKMOUNT SYSTEMS

PANEL PCS

DISPLAYS

MOTHERBOARDS

Nuvo-5000

6th Generation Intel® Core™ i7/i5/i3 Fanless System

- » Intel® Core™ i3/i5/i7
- » Operating Temperature from -25°C ~ 70°C
- » 2-6x GbE, 4x USB 3.0, 4x USB 2.0
- » Optional Expansion Cassette for PCIe or PCI Card
- » MezIO™ Interface for Expansion
- » Accomodates 2x SATA Drives for RAID 0/1 Support
- » Wall or DIN Rail Mountable



Integrating cutting-edge technologies, the Nuvo-5000 is the the next-generation fanless controller. It supports 6th generation processors from Pentium® to Core™ i7 while maintaining a -25°C to 70°C wide operating temperature.

The Nuvo-5000 provides a wealth of I/O functions for general applications, including GbE, USB 2.0/3.0, Serial, and VGA/DVI/DP triple display outputs. If that's not enough, the patented expansion cassette can be used for an off-the-shelf PCIe/PCI card or an optional MezIO™ module can be installed for DIO or additional ports.

Nuvo-5000

6th Generation Intel® Core™ i7/i5/i3 Fanless System



SPECIFICATIONS

SYSTEM	Processor	Intel® Core™ i7-6700 (3.4/4.0 GHz, 8M, 65W TDP)* Intel® Core™ i5-6600 (3.3/3.9 GHz, 6M, 65W TDP)* Intel® Core™ i3-6100 (3.7 GHz, 3M, 51W TDP)*
	Chipset	Intel® Q170 Platform Controller Hub
	Graphics	Integrated Intel® HD Graphics 530 (Core™ i7/i5/i3) Integrated Intel® HD Graphics 510 (Pentium®)
	Memory	Up to 32GB SO-DIMM DDR4
	AMI	Supports Intel® AMT 11.0
	TPM	Supports TPM 1.2
I/O	Ethernet	2x GbE by Intel® I219 and I210 (Nuvo-5002E/P) 6x GbE by Intel® I219 and 5x I210 (Nuvo-5006E/P)
	PoE+	Optional IEEE 802.3at PoE+ PSE for GbE Port 3 ~ Port 6, 80W total power budget
	Video	1x Stacked VGA + DVI-D 2x DisplayPort, supporting 4K2K
	USB	4x USB 2.0 4x USB 3.0
	Serial	2x RS-232/422/485 1x RS-232
	Audio	1x Audio Out 1x Audio In
EXPANSION	PCI Express	1x PCIe x16 slot @ Gen3, 8-lanes PCIe signals in Cassette (Nuvo-5002E/5006E)
	PCI	1x PCI slot in Cassette (Nuvo-5002P/5006P)
	Mini PCIe	1x mini PCI-E socket with front-accessible SIM socket 1x mini PCI-E socket with internal SIM socket
	Expandable I/O	1x MeziO™ expansion port for MeziO™ modules
STORAGE	SATA	2x SATA for 2.5" SSD/HDD, supporting RAID 0/1
	CFast	N/A
POWER SUPPLY	Input	1x 3-pin power connector for 8-35V DC
	Adapter	120W Power Adapter (optional)
	Ignition Control	Optional
	Remote Control & Status Output	1x 10-pin (2x5) wafer connector for remote on/off control and status LED output
MECHANICAL	Dimensions	9.45" (W) x 8.86" (D) x 3.54" (H)
	Weight	9.7 lbs including SSD and RAM
	Mounting	Wall Mount DIN-Rail Mount (optional)
ENVIRONMENTAL	Operating Temperature	-25°C ~ 70°C with i7-6700TE, i5-6500TE, i3-6100TE, Pentium G4400TE (35W TDP) -25°C ~ 50°C with i7-6700, i5-6500, i3-6100 (65W/51W TDP)
	Storage Temperature	-40°C ~ 85°C
	Humidity	10%-90% , non-condensing
	Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes(w/ SSD, according to IEC60068-2-64)
	Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
	Certifications	CE/FCC Class A, according to EN 55022 & EN 55024

ACCESSORIES



DIN Rail Kit for Nuvo Series
DIN Rail Mounting Kit for Nuvo-3000/5000



SK314
118 Key Silicone Backlit Keyboard

ORDERING INFORMATION

Nuvo-5002E

Nuvo-5000 with 2x GbE ports, PCIe Expansion Cassette, and MeziO™

Nuvo-5002P

Nuvo-5000 with 2x GbE ports, PCIe Expansion Cassette, and MeziO™

Nuvo-5006E

Nuvo-5000 with 6x GbE ports, PCIe Expansion Cassette, and MeziO™

Nuvo-5006P

Nuvo-5000 with 6x GbE ports, PCIe Expansion Cassette, and MeziO™



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