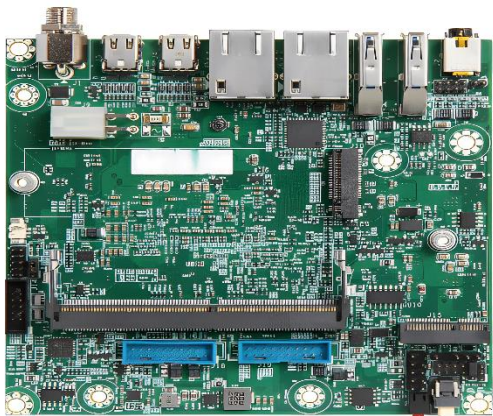# NTX-27005

Intel® Core™ i3/i5/i7-8th Gen based NANO-ITX Board

FEATURES

- 8th Gen Intel® Core™ i7/i5/i3 processor.

- DDR4 2400 non-ECC SO-DIMM up to 32GB.

- Dual mini-DP ports up to 4K resolution.

- 1x M.2 Type M 2280, 1x M.2 Type E 2230.

- 2x USB 3.2 Gen 2, 4x USB 3.2 Gen 1, 2x GbE LAN and 1x RS-232/422/485 selectable.

- DC 12V input.

- On board TPM 2.0.

NTX-27005	
PROCESSOR	Intel® 8th Gen Core™ i7/i5/i3 processor, With 4MB Cache, Support Intel® Hyper-Threading Technology, Virtualization Technology (VT-x), Small Business Advantage
wBIOS	AMI UEFI BIOS
MEMORY	1x DDR4 2400 non-ECC SO-DIMM up to 32GB
WATCHDOG TIMER	Programmable by embedded controller
HARDWARE MONITORING	Temperature (CPU & System) Voltage (CPU Vcore, 12V, 5V, 3.3V, RAM)
EXPANSION INTERFACE	1x M.2 Type M 2280 socket, 1x M.2 Type E 2230 socket
AUDIO	HDA controller integrated in Intel® SoC, Realtek ALC888S HDA codec, Audio Combo Jack on rear I/O with Line-out/Mic in and on-board pin header with Line-in, Line-out, Mic-in
ETHERNET	Intel® I210AT and Intel® I219LM ethernet controller, 2x RJ45 connector on rear I/O
SERIAL PORT	1x RS-232/422/485 on board connector (selected by BIOS)
USB	2x USB 3.2 Gen 2 ports on rear I/O, 4x USB 3.2 Gen 1 ports on boar
GRAPHIC CONTROLLER	Intel® HD Graphics 5500/6000 supports DirectX11.2, OpenGL 4.3 / OpenCL 2.0, Video decode HW acceleration support for H.264/AVC, VC-1, MPEG2, VP8
DISPLAY INTERFACE	2x Mini DP on Rear I/O, up to 3840x2160
DIMENSION	120(L) x 120(W) mm; 4.72"(L) x 4.72"(W)
POWER SUPPLY	DC 12V input
OPERATING TEMPERATURE	0°C to 60°C
STORAGE TEMPERATURE	-20°C to 85°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
GPIO	8-bit configurable controlled by embedded controller
MTBF	Over 100,000 hours at 40°C
CERTIFICATIONS	CE, FCC Class A verified
WARRANTY	2 Years