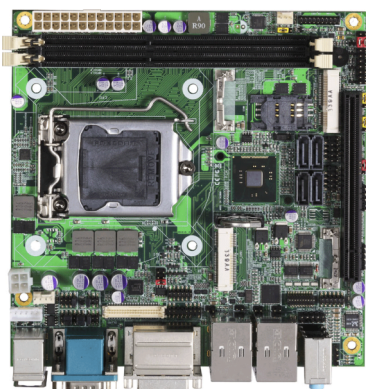


NINO-7088G2V

Intel® Core™ i7/i5/i3 Processor Socket 1150
Desktop Processor Q87 Chipset Based ITX Board
with 4 USB 2.0/6 USB 3.0/4x COM Ports/
DisplayPort /DVI-I /Dual Gigabit LAN



FEATURES

- Intel® 4th Generation Intel® Core™ i7/i5/i3 Processor in Socket 1150
- Two 240-pin DIMM sockets Dual-channel DDR3 1066/1333/1600 SDRAM. Max. up to 16 GB memory
- Intel® Q87 Express chipset
- Intel® I210 & I217LM on board for Dual GbE LAN
- Integrated Intel® HD Graphics with DVI-I/DisplayPort connectors
- Realtek® ALC888 High Definition Audio chip on-board
- Multi I/O: 6x USB 3.0, 4x USB 2.0, 4x COM ports, 4x SATA 3.0
- Expansion Slot: 1 PCIe x16, 2 Mini PCIe socket

Introduction

NINO-7088G2V ITX Board supporting Intel® 4th Generation Core™ i7/i5/i3 Desktop Socket 1150 Desktop Processor. NINO-7088G2V supports LVDS function for interface to LVDS Displays. NINO-7088G2V supports 4x COM Port, 4 x USB 2.0, 6 x USB 3.0, one PCIe x16, two Mini-PCIe sockets

NINO-7088G2V is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

Specification

System	
Processor	<ul style="list-style-type: none"> • 4th Generation Intel® Core™ processors (22nm process technology) • LGA 1150 socket
BIOS	<ul style="list-style-type: none"> • uEFI BIOS. 64Mbit FlashROM with DOS and Windows update utility support.
System Memory	<ul style="list-style-type: none"> • Four 240-pin DDR3/DDR3L DIMM sockets • Supports DDR3/DDR3L 1333/1600MHz when operating at 1.5V • Supports dual channel memory interface • Supports up to 16GB system memory • DRAM device technologies: 1Gb, 2Gb and 4Gb DDR3 DRAM technologies are supported for x8 and x16 devices, unbuffered, non-ECC
Chipset	<ul style="list-style-type: none"> • Intel® Q87 Express Chipset
Video	<ul style="list-style-type: none"> • Intel® HD Graphics • Display ports: DisplayPort and DVI-I • DVI-I supports up to 1920x1200 @ 60Hz resolution • DisplayPort supports up to 3840x2160@60Hz resolution • VGA display resolution up to 1920x1200 pixels with 24-bit color@ 60Hz • Intel® Clear Video Technology • Supports 20 Graphics Execution Units (EUs) • Intel® Advanced Vector Extensions (Intel® AVX) Instructions • DirectX Video Acceleration (DXVA) support for accelerating video processing • Supports DirectX 11.1 and OpenGL 4.0
Ethernet	<ul style="list-style-type: none"> • Intel® I210 PCI Express Gigabit Ethernet controller • Intel® I217LM with iAMT9.0 Gigabit Ethernet Phy • Integrated 10/100/1000 transceiver • Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
On Board I/O	<ul style="list-style-type: none"> • 1x Connector for PS/2 Mouse/Keyboard • 4 x Serial ports (1x RS-232/422/485 selectable) • 1 x SPDIF • 4 SATA 3.0 ports with data transfer rate up to 6Gb/s • Integrated Advanced Host Controller Interface (AHCI) controller • RAID 0, 1, 5, 10 • 10 USB: 6 USB 3.0, 4USB 2.0 ports • 1x 8 bit Digital I/O
Watchdog Timer	<ul style="list-style-type: none"> • Programmable watchdog timer for 1~255 seconds.
CMOS	<ul style="list-style-type: none"> • On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	<ul style="list-style-type: none"> • Realtek® ALC888 High Definition Audio • Audio outputs: Mic-in, line-in and line-out • SPDIF audio interface
Power	<ul style="list-style-type: none"> • Standard 20Pin + 4pin ATX power supply • Support both AT and ATX mode.
Cooling	<ul style="list-style-type: none"> • One CPU cooling FAN connector nearby CPU socket • One system cooling FAN connectors for chassis or power supply cooling.

Mechanical & Environment

Dimension	• 170x170 mm
Operation temperature	• 0°C to 60°C (32° F to 140° F)
Storage temperature	• -20°C to 80°C (-68° F to 176° F)
Relative humidity	• 5% to 95% (Non-Condensing)

Ordering Information

NINO-7088G2V	Intel® Core™ i7/i5/i3 Processor Socket 1150 Desktop Processor Q87 Chipset Based ITX Board with 4 USB 2.0/6 USB 3.0/4x COM Ports /DisplayPort /DVI-I /Dual Gigabit LAN
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