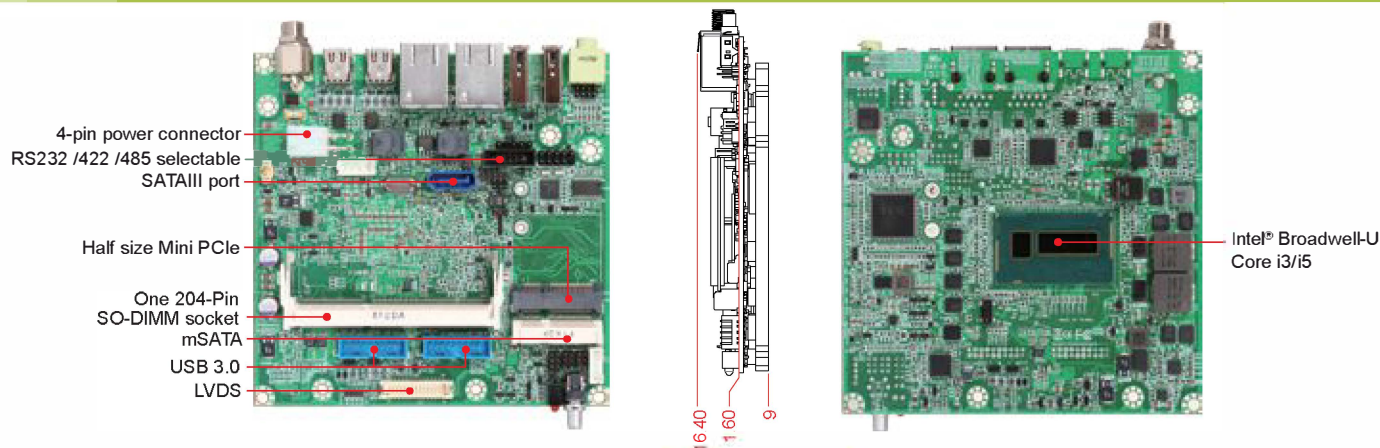


NANO-6050

Intel® 5th Core™ i5/i3 SoC based NANO-ITX
with DDR3L SODIMM, triple display, Gigabit Ethernet,
net, Audio, USB 3.0, SATA, and mSATA

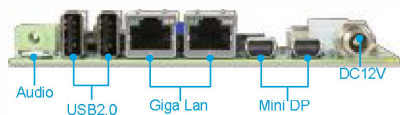


NANO-6050 build with Intel® Broadwell-U processor Core™ I series. It's the highest performance in our NANO-ITX product line. Unlike other Broadwell-U products, NANO-6061 can be design with fanless system. In order to reduced the size of system, we adapt mSATA and our customers can install SSD on NANO-6050. It can fulfill multiple industrial requirement.

FEATURES

- Intel® Broadwell-U Core™ i5/i3 SoC based platform
- One 204-pin SODIMM supports DDR3L up to 8GB
- Triple display by LVDS, 2x Mini-DP
- Support one mSATA and one SATA port
- One half size Mini-PCIe socket
- Support DC 12V input

REAR I/O



ORDERING GUIDE

AB1-3C88	(R).NANO-6050-i5-5350U Nano-ITX ESB. Intel® Quad Core™ i5-5350U 1.8GHz (15W), w/DDR3LSDRAM/LVDS/Dual Mini- DP/GbE LAN/mSATA
AB1-3C89	(R).NANO-6050-i3-5010U Nano-ITX ESB. Intel® Dual Core™ i3-5010U 2.1GHz (15W), w/DDR3LSDRAM/LVDS/Dual Mini- DP/GbE LAN/mSATA

PACKING LIST

One NANO-6050 NANO-ITX Main Board
One passive Heatsink
One Installation CD

GENERAL

Processor	- Intel® 5th Gen Core™ i5/i3 Processors in FCBGA1168 package - Cache up to 4MB(for i5) - Support Intel® Hyper-Threading Technology, Virtualization Technology (VT-x), Small Business Advantage
BIOS	AMI uEFI BIOS (SPI ROM)
Memory	Support up to 8GB DDR3L 1333/1600 SDRAM on one 204pin SO-DIMM
Storage Devices	- One SATA III 6Gb/s - One Full Size mSATA III
Watchdog Timer	Programmable by embedded controller
Hardware Monitoring	Temperature (CPU & System) Voltage (CPU Vcore, 12V, 5V, 3.3V, RAM)
Expansion Interface	One half size Mini-PCIe slot

I/O INTERFACE

Audio	- HDA controller integrated in Intel® SoC - Realtek ALC892 HDA codec, 5.1 channels 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® I218AT Gigabit Ethernet controller - 2x RJ45 connector on rear I/O
Serial Port	1x RS232/422/485 on board connector (selected by bios)
USB	2x USB 2.0 ports on rear I/O 4x USB 3.0 port on board
GPIO	8-bit configurable controlled by embedded controller

DISPLAY

Graphic Controller	- Intel® HD Graphics 5500/6000 supports DX11.2, OpenGL 4.3 / OpenCL 2.0 - Video decode HW acceleration support for H.264/AVC, VC-1, MPEG2, VP8
Display Interface	- LVDS: Dual channel 24bit LVDS on board connector, resolution up to 1920x1200@60Hz - 2x Mini DP on Rear I/O, Resolution up to 4096x2160

Mechanical & Environment

Dimension	120(L) x 120(W) mm; 4.72"(L) x 4.72"(W)
Power Supply	DC 12V input
Environment	Operation Temperature: 0°C to 60°C Storage Temperature: -20°C to 85°C Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 100,000 hours at 40°C

