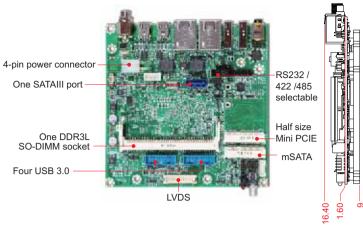


NANO-6050

Intel® 5th Gen Core™ i5/i3 ULT Processor based on NA-NO-ITX Board with Triple display, GbE LAN, USB 3.0, Mini-PCle, Combo Audio jack, SATA III, and mSATA



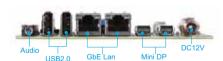


NANO-6050 build with Intel® 5th Gen Core™ i5/ i3 ULT processor and takes advantages of Intel® Core™ mobile processor technologies such as Hyper-Threading, high performance, and low power consumption. Portwell NANO-6050-based systems are ideal for passively cooled and hermetically sealed systems that can be used in various environments. NANO-6050 is an ideal platform with HD graphic output for POS, kiosk, digital signage and transportation applications.

FEATURES

- Intel[®] 5th Gen Core[™] i5 and i3 processor
- Supports one DDR3L 1600/1333 SO-DIMM up to 8GB
- Supports Triple display by Dual mini DP ports , and dual channel 24 bit LVDS
- Supports one SATA III, one mSATA, and four USB 3.0 ports
- Supports one half size Mini-PCle socket
- Supports DC 12V input
- Supports TPM 2.0 (Option)

REAR/10



ORDERING GUIDE

AB1-3C88	(R).NANO-6050-5350U.
	Nano-ITX ESB. Intel® Core™ i5-5350U 1.8GHz
	Dual Core.w/DDR3L SO-DIMM/ 24bit LVDS/Dual
	Mini DP/Dual GbE LAN/USB/mSATA
AB1-3C89	(R).NANO-6050-5010U.
	Nano-ITX ESB. Intel [®] Core™ i3-5010U 2.1GHz
	Dual Core.w/DDR3L SO-RAM/ 24bit LVDS/Dual
	Mini DP/Dual GbE LAN/USB/mSATA

PACKING LIST

One NANO-6050 NANO-ITX Main Board	
One Passive Heat Spreader	
One Installation CD	

GENERAL

Processor

Audio

- Intel® 5th Gen Core™ i5/i3 ULT processor in FCBGA1168 package
- Support Intel® Hyper-Threading Technology, Virtualization Technology (VT-x), Small

Business Advantage

BIOS

One DDR3L 1600/1333 SO-DIMM up to 8GB Memory

- One SATA III port Storage Devices - One mSATA socket

Watchdog Timer Programmable by embedded controller

- Temperature (CPU & System) Hardware Monitoring - Voltage (CPU Vcore, 12V, 5V, 3.3V, RAM)

Expansion Interface One half size Mini-PCIe socket

I/O INTERFACE

- HDA controller integrated in Intel® SoC
- Realtek ALC892 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

- Intel® I218AT GbE controller Ethernet - 2x RJ45 connector on rear I/O

Serial Port 1x RS-232/422/485 on board connector (selected by bios)

- 2x USB 2.0 ports on rear I/O USB - 4x USB 3.0 ports on board

GPIO 8-bit configurable controlled by embedded controller

DISPLAY

- Intel® HD Graphics 5500/6000 supports DirectX11.2, OpenGL 4.3 / OpenCL 2.0 **Graphic Controller**
 - Video decode HW acceleration support for H.264/AVC, VC-1, MPEG2, VP8
- LVDS: Dual channel 24bit LVDS on board connector, up to 1920x1200@60Hz Display Interface
 - 2x Mini DP on Rear I/O, up to 3840x2160

Mechanical & Environment

120(L) x 120(W) mm; 4.72"(L) x 4.72"(W) Dimension

Power Supply DC 12V input

- Operation Temperature: 0°C to 60°C

- Storage Temperature: -20°C to 85°C Environment - Relative Humidity: 5% to 95%, non-condensing

CF FCC Class B Certification

MTBF Over 100,000 hours at 40°C

























