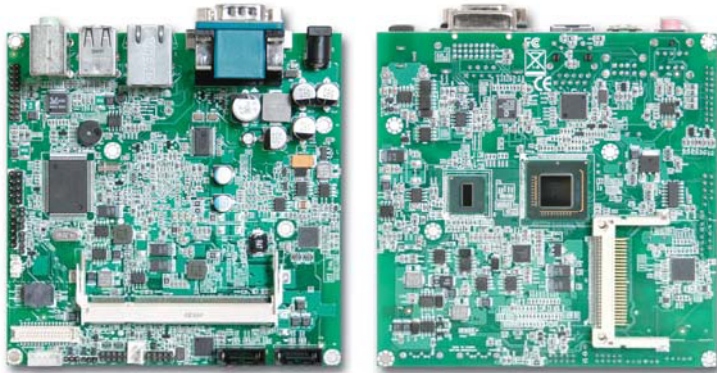


NANO-8045

Intel® Ultra Low Power Atom™ Processor based Nano-ITX Board with dual display, Gigabit Ethernet, Audio, USB and SATA



FEATURES

- Intel® Atom™ processor Z510 / Z530 and System Controller Hub US15W
- One 200-pin SO-DIMM supports DDR2 SDRAM up to 2GB
- Dual independent display: DVI and 24bit LVDS
- One Type II Compact Flash & two SATA ports
- One Realtek Gigabit Ethernet
- Support DC 12V input

NANO-8045 takes advantage of the latest Intel® Atom™ technologies. It supports DDR2 SDRAM, dual displays and one Gigabit Ethernet. Base on leading Intel® Atom™ solution,

NANO-8045 is a compact and ultra low power dissipation board for Medical, Gaming and DSS applications.

SYSTEM

CPU	Intel® Atom™ processor Z510 / Z530
FSB	400/533MHz
BIOS	AMI BIOS
Chipset	Intel® System Controller Hub US15W
System Memory	One 200pin SO-DIMM support DDR2 533/400 up to 2GB
Storage	- 2 x SATA II - 1 x CF
Watchdog Timer	Programmable via SW from 1sec. to 255min.
H/W Monitor	- Temperature (CPU and System) - Voltage (CPU Vcore, VBAT, 5VSB, 12V, 5V, 3.3V)
GPIO	On board programmable 8-bit Digital I/Os
Expansion	N/A

On Board I/O

USB	Four USB 2.0 ports, Pitch 2.00mm
Others	One 24 bits LVDS, 8bit GPIO pin header, Line-out and Mic-in pin header

Rear I/O

Serial Port	One RS232 port
Display	One DM
Gigabit Ethernet	One RJ-45 LAN port
USB	Two USB 2.0 ports
Audio Interface	Line-out and Mic-in

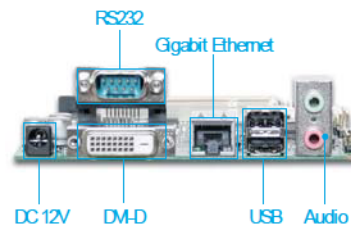
DISPLAY

Graphic Controller	Intel® System Controller Hub US15W integrated GMA 500 Graphics device
Display Interface	DM / 24-bit LVDS

MECHANICAL & ENVIRONMENTAL

Operating Temperature	0-60°C
Storage Temperature	-20-80°C
Operating Humidity	5-96% non-condensing
Dimension	120mm x 120mm

REAR I/O



ORDERING GUIDE

- **NANO-8045-1100**
Intel® Atom™ processor Z510 Nano-ITX Board
- **NANO-8045-1600**
Intel® Atom™ processor Z530 Nano-ITX Board

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