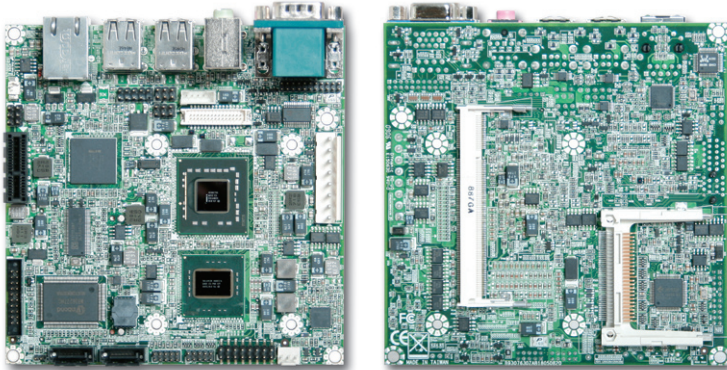


# NANO-8050

Leading Intel® latest ULV Mobile SFF 45nm Core™ 2 Duo or Celeron® M Processor based NANO-ITX with DDR2 SODIMM, Dual Displays, Gigabit Ethernet, Audio, USB



## FEATURES

- Intel® latest Ultra Low Voltage Mobile SFF 45nm Core™ 2 Duo or Celeron® M Processor
- Intel® GS45 SFF and ICH9M SFF Chipset
- One 200-pin SO-DIMM support DDR2 800/667MHz up to 2GB
- Dual Display: VGA and 24-bit LVDS
- One Intel® Gigabit Ethernet port
- One PCI-Express x1 expansion slot
- One Type II Compact Flash
- Support iTPM function for more secure platforms

NANO-8050 adopts Intel® latest Small Form Factor(SFF) mobile chipset and takes advantage of leading Intel® latest SFF Core™ 2 Duo / Celeron® M technologies with high performance. It can support one DDR2 SODIMM memory, one Intel® Gigabit Ethernet port, one Type II Compact Flash, and one expansion PCI-Express

x1 slot. Built in graphic media accelerator (GMA) 4500MHD graphic engine, NANO-8050 can support 3D performance and dual display by VGA and LVDS. This is a compact size with low-heat solution for versatile applications such as Medical and DS.

### SYSTEM

CPU	Intel® latest ULV Mobile SFF 45nm Core™ 2 Duo or Celeron® M processor
FSB	800/1066 MHz
BIOS	AMI BIOS
System Chipset	Intel® GS45 SFF and ICH9M SFF Chipset
System Memory	One 200-pin SO-DIMM support DDR2 800/667MHz up to 2GB
SSD	One Type II Compact Flash (up to UDMA5 mode)
Watchdog Timer	Programmable via S/W from 1sec. to 255sec.
H/W Monitor	- Temperature (CPU and System) - Voltage (CPU Vcore, VBAT, 5VSB, 12V, 5V, 3.3V)
GPIO	Onboard programmable 8-bit Digital I/Os
Expansion	One PCI-Express x1 slot

### On Board I/O

USB	Two USB 2.0 ports
SATA	Two SATA 300 ports
Display	One 24 bit LVDS connector
Others	8bit GPIO pin header

### Rear I/O

Serial Port	One selectable RS232/422/485 port
Display	One VGA
Ethernet	One 10BASE-T/100BASE-TX/1000BASE-T Ethernet port with RJ45 connector
USB	Four USB 2.0 ports
Audio Interface	Line-out and Mic-in

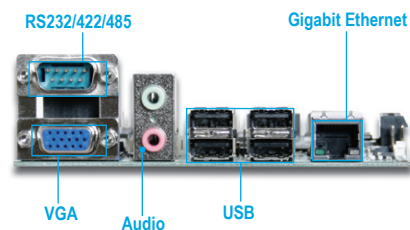
### DISPLAY

Graphic Controller	GMCH Integrated Intel® Graphics Media Accelerator (GMA) 4500MHD
Display Interface	- VGA : Up to 2048 x 1536 (QXGA) - LVDS: Dual channel 24-bit LVDS support

### MECHANICAL & ENVIRONMENTAL

Operating Temperature	0~60°C
Storage Temperature	-20~80°C
Operating Humidity	5%~95% non-condensing
Dimension	4.72" x 4.72" (120 mm x 120 mm)

## REAR I/O



## ORDERING GUIDE

- **NANO-8050-2260**  
NANO-ITX Board with Intel® Core™ 2 Duo SP9300 2.26GHz CPU
- **NANO-8050-1860**  
NANO-ITX Board with Intel® Core™ 2 Duo SL9400 1.86GHz CPU
- **NANO-8050-1200**  
NANO-ITX Board with Intel® Core™ 2 Duo SU9300 1.2GHz CPU
- **NANO-8050-C1203**  
NANO-ITX Board with Intel® Celeron® ULV723 1.2GHz CPU
- **NANO-8050-C1202**  
NANO-ITX Board with Intel® Celeron® ULV722 1.2GHz CPU
- **PER-4110R**  
One slot PCIe x1 riser card