

Industrial Single Board Computer

3.5 Inch Mini board

ST-137A

Intel® Sandy Bridge Processor 807UE/827E/847E with DDRIII
SO-DIMM, CRT, DVI, LVDS, Gigabit LAN, USB2.0, HD Audio,
Serial ATAIII, PCIE mini card, LPC, mSATA



Form Factor	3.5 Inches Embedded Mini board
CPU	Intel® Celeron® Processor 807UE 1.0GHz (ST-137AN) Intel® Celeron® Processor 827E 1.4GHz (ST-137AC) Intel® Celeron® Processor 847E 1.1GHz (ST-137AB) Package type : FCBGA1023
Memory	1 x DDRIII SO-DIMM 1066/1333 MHz up to 4GB (ST-137AN) 1 x DDRIII SO-DIMM 1066/1333 MHz up to 8GB (ST-137AC / ST-137AB) Support Non-ECC, unbuffered memory only
Chipset	Intel® HM65
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
Power Management	Supports ACPI 3.0 compliant
Serial ATA Interface	2 x serial ATAIII interface with 600MB/s transfer rate
Integrated Graphics	Intel® integrated extreme HD graphics Technology
VGA Interface	Onboard DSUB15 connector for VGA interface
LVDS Interface	Onboard 24-bit Dual channel LVDS connector with +3.3V/+5V/+12V supply
DVI interface	Onboard DVI with 20-pin connector
Audio Interface	REALTEK ALC888 HD Audio
LAN Interface	1 x Intel® 82579LM Gigabit Ethernet controller
GPIO Interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	2 x PCIE mini card(Optional support mSATA(SATAII) for Mini_Card2)
Internal I/O Port	1 x RS232/485/422, 1 x SMBUS, 1 x GPIO, 4 x USB2.0, 1 x IrDA, 2 x Serial ATAIII, x 1x LPC, 1 x HD Audio, 1 x DVI , 1 x LVDS, 1 x CN_INV
External I/O Port	1 x PS/2, 1 x RJ45, 1 x VGA, 2 x USB2.0, 1 x RS232
Power Requirement	Full ranged 9V~24V(±5%) DC Input
Dimension	146mm x 101mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

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