

••• KEEX-2130

Intel® Embedded Compact Extended Form Factor
with Intel® Atom N270



- Intel® Atom™ Processor N270
- Intel® 945GSE / ICH7-M
- DDR2 SO-DIMM Socket, total up to 2 GB
- SATA, CompactFlash socket, 2x mini PCIe, SIM card supported
- Gb/s Ethernet, 8x USB 2.0 ports, 2x COM, VGA, 24-bits LVDS
- Watchdog Timer, Hardware Monitor

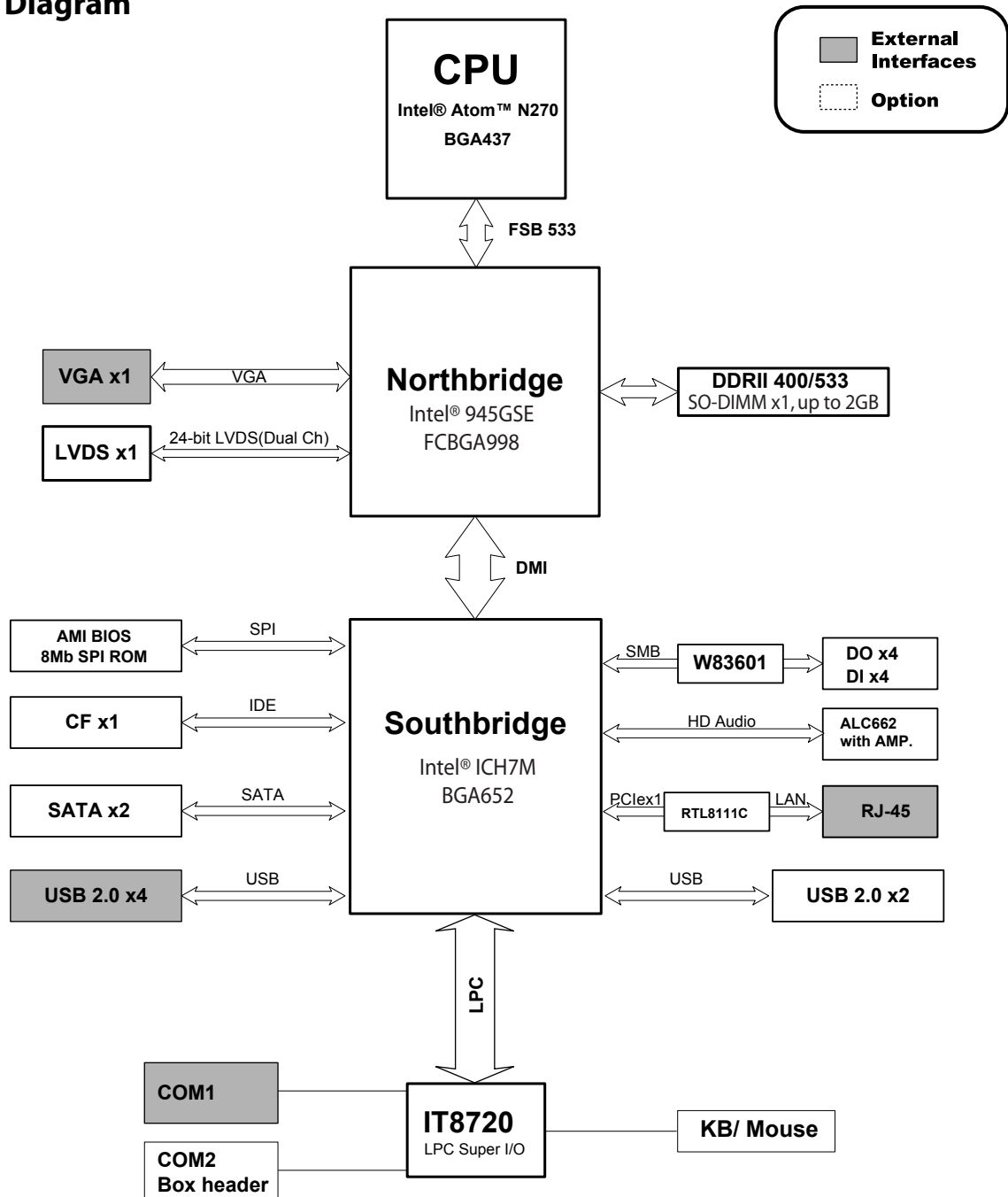


Product Overview

The KEEX-2130 is an Intel® embedded compact extended form factor single board computer (SBC) that combines the high performance and low power consumption of the Intel® Atom™ processor with Intel® 945GSE/ ICH7M chipset and supports DDR2 400/533 SODIMM up to 2GB. This SBC offers the latest performance, features and I/O interfaces at an extremely attractive price/ performance ratio and measures

105mm x 146mm, a 75 percent space reduction over micro-ATX boards. The KEEX-2130 features VGA and 24-bit dual channel LVDS panel support, SATA , RS-232/422/485 serial port, Digital I/O, GbE, USB 2.0, keyboard/mouse, and HD audio. CompactFlash, and two Mini PCIe slot support provide expansion capability.

Block Diagram

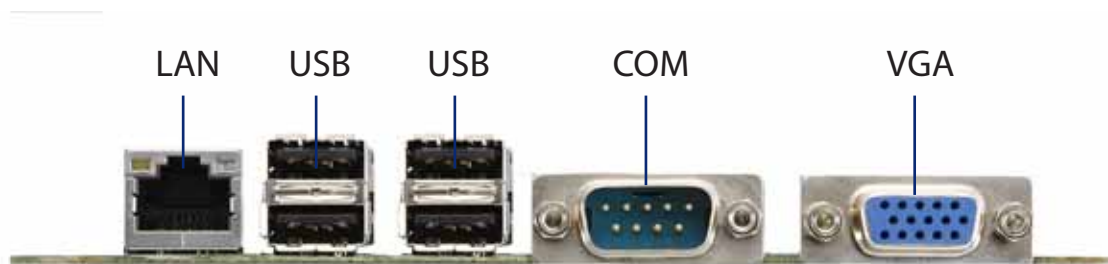


Technical Information

CPU Support	Intel® Atom™ N270
Chipset	Intel® 945GSE + ICH7-M
Memory	1x DDR2 400/533 SO-DIMM Socket, up to 2GB
BIOS	AMI Plug & Play BIOS
Display	Integrated on Intel® 945GSE Chipset 24-bit Dual channel LVDS support 1x VGA
Peripheral Support	2x SATA (one with onboard power connector) 1x CompactFlash socket 8x USB 2.0 2x COMs with Power Selection (2x RS-232/422/485) 4x DI/DO (via pin-header) 1x PS/2 KB/ MS
LAN	1x RJ-45, Gigabit Ethernet PXE & RPL supported WOL supported

Audio	Audio HD codec on board with 1x 2W audio amplifier One 6-pins wafer connector for Line-Out, Line-In Two 2-pins pitch 2.0mm wafer connector for Right/Left speaker out
Power Connector	ATX-4P
Expansion	2x Mini PCIe slots (1x 6-pins wafer connector for SIM card supported, working with 1st mini-PCIe)
Watchdog Timer	1-255 step
Hardware Monitor	Operating voltage, CPU temperature and fan speed
Dimensions	Intel® ECX Form Factor, 10.50 x 14.60 cm (4.13 x 5.75 inches)
Environmental Factors	Operation Temp: 0°C - 60°C Storage Temp.: -10°C - 85°C Humidity: 0% - 90%
Certifications	CE, FCC Class A

KEEX-2130 Rear I/O



Ordering Information

Article	Part No.	Description
KEEX-2130	B3EX2130-001000T	PROD, KEEX-2130, ECX board, AtomN270 + Intel945GSE/ICH7M with VGA/24-bit LVDS, Gb/s Ethernet, 2 x RS-232/422/485, 6 x USB2.0 ports, 2 x miniPCIE, 2 x SATA ports, CF, audio w/ 2W amplifier

Accessories

Article	Part No.	Description
PS/2 Cable *	0C5020002500010L	Y-cable, 6-pin pitch 2.0mm wafer connector to KB&MS connector, L=25cm
COM Cable	0C5019001000010L	COM Port cable, 10-pin pitch=1.25mm to DB-9 connector, L=10cm
USB Cable	0C502USB0201010L	USB cable, 2.54mm 10-pin to 2xUSB connectors with bracket, L=30cm
SATA Cable *	0C501ATA0746000L	SATA cable , 7-pin connector with lock, L=46cm
SATA Cable	0C501ATA7P30000L	SATA cable 7-pin + 15-pin 180D, L=30cm
Audio Cable	0C5049001000020L	Audio cable, 6-pin to three Phone Jacks, L=10cm
DC Jack cable	0C5029002000070L	DC-Jack cable, ATX 4pin connector to DC-Jack 5.5mm(L)x2.5 , L=20cm
Cable set for KEEX-2130	0ZCKEEX2130B1000	Cable Kit FOR KEEX-2130, includes cables for COM/SATA/PS2/DC jack/Audio /USB

* The item has been included in standard package.