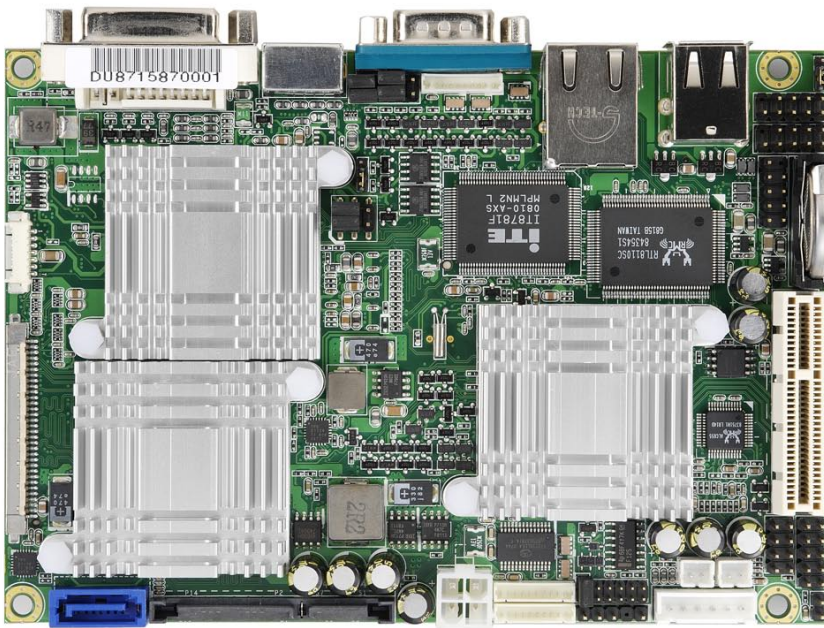


# KEEX-2030

Industrial 3.5" Embedded SBC with Intel® Atom N270



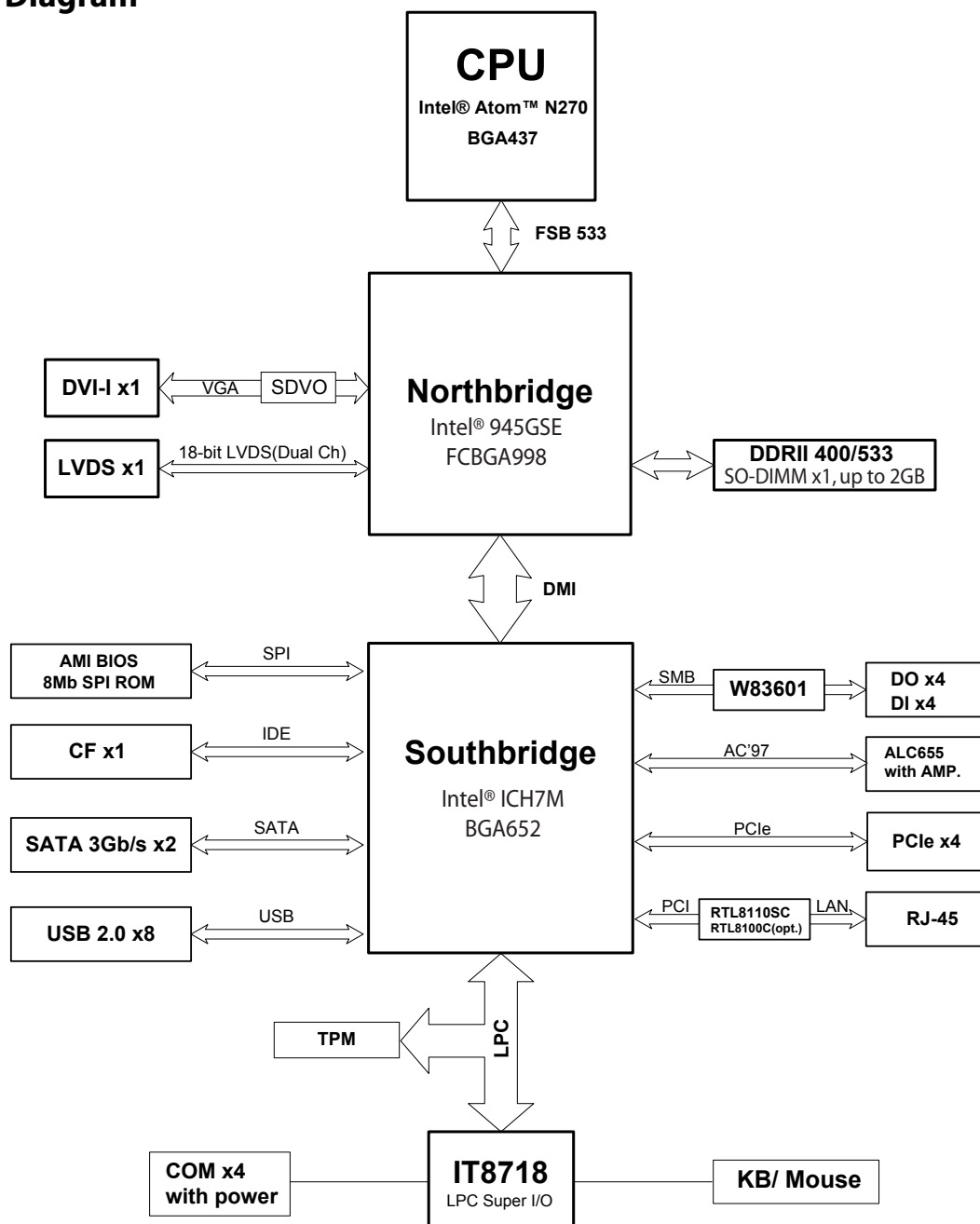
- Intel® Atom™ Processor N270
- Intel® 945GSE / ICH7-M
- DDR2 SO-DIMM Socket, total up to 2 GB
- SATA 3 Gb/s, PCIe x4 slot, CompactFlash socket
- GbE, 8x USB 2.0, 4x COM ports, DVI-I supported
- Watchdog Timer, Hardware Monitor, TPM 1.2

## Product Overview

The KEEX-2030 is an 3.5" Form Factor embedded 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 102mm x 146mm, a 75 percent space reduction over micro-ATX boards. The KEEX-2030 features DVI and 18-bit dual channel LVDS panel support, SATA 3 Gb/s, RS-232/422/485 serial port, Digital I/O, Gb/s Ethernet, USB 2.0, keyboard/mouse, and AC97" audio. PCIe x4 support provides expansion capability.

## Block Diagram



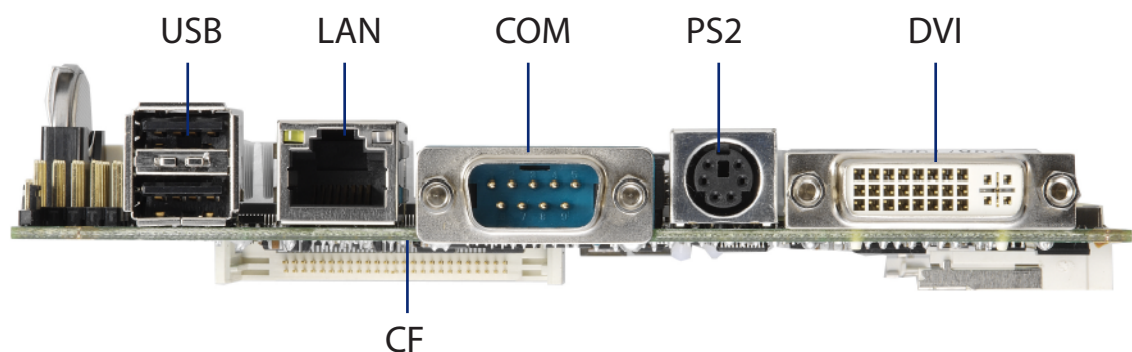
## Technical Information

Form Factor	3.5" Embedded SBC 102mm x 146mm
CPU	Intel® Atom™ Processor N270
Chipset	Intel® 945GSE / ICH7-M
Memory	DDR2 SO-DIMM Socket, total up to 2 GB
Ethernet	1x GbE
VGA Controller	Integrated on Intel® 945GSE Chipset
DVI/ LVDS	18-bit Dual channel LVDS support DVI-I x1, SDVO supported
BIOS	AMI Plug & Play BIOS – 8Mb SPI ROM
Watchdog Timer	1-255 steps (sec/min), software configurable on Super I/O
Hardware Monitor	Hardware monitor for supply voltages, CPU, fans

Peripheral Support	1x CF type II Socket 2x SATA 3Gb/s 1x DVI Connector 8x USB 2.0 ports (6x by pin header, 2x on I/O bracket) 4x RS-232 Ports with Power ( COM1 supports RS-232/422/485 ) 4x Digital Input/ Digital Output AC'97 Codec with 2W Audio Amplifier Keyboard and Mouse Mini-DIN Connector
Expansion	PCI Express x4 Slot
Operation Temp.	0°C – 60°C
Storage Temp.	-10°C – 85°C
Humidity	0% – 90%
Certifications	CE, FCC Class A

## Product Information

Article	Part NO.	Description
KEEX-2030	B3EX2030-001000T	Industrial 3.5" Embedded SBC with Intel® Atom N270, 945GSE/ ICH7-M chipset, Gb Ethernet, LVDS, DVI, SATA, PClx4 expansion and USB 2.0



## KEEX-2030 Rear I/O