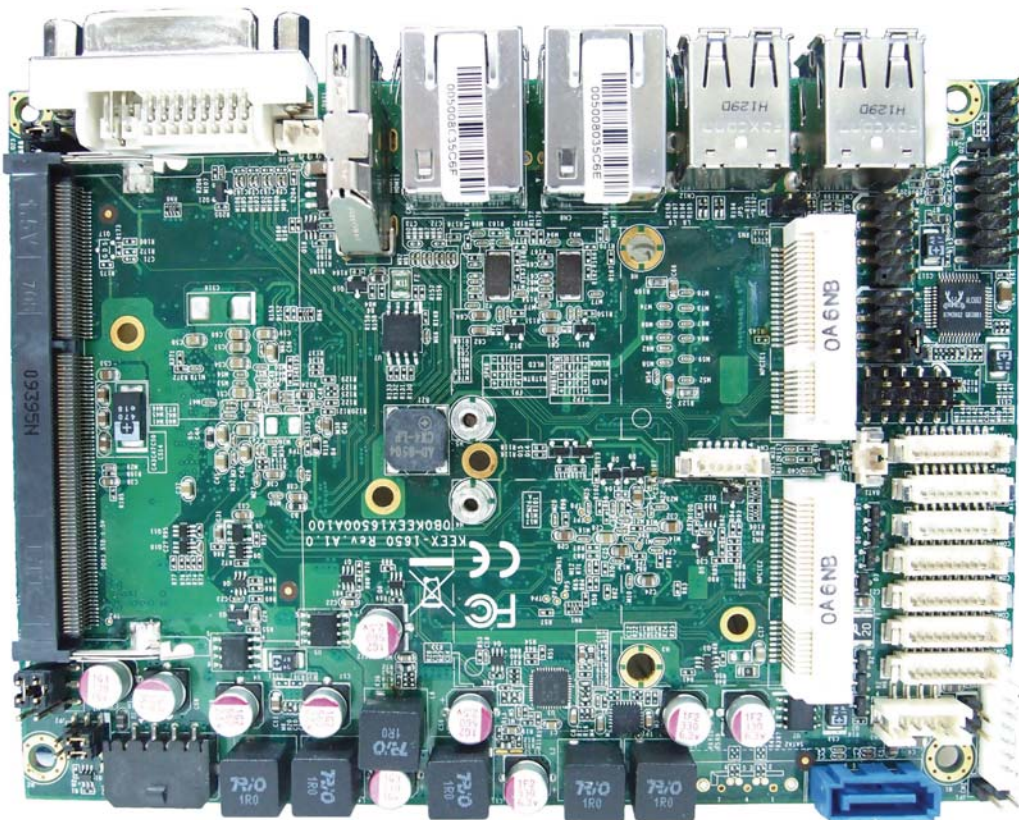


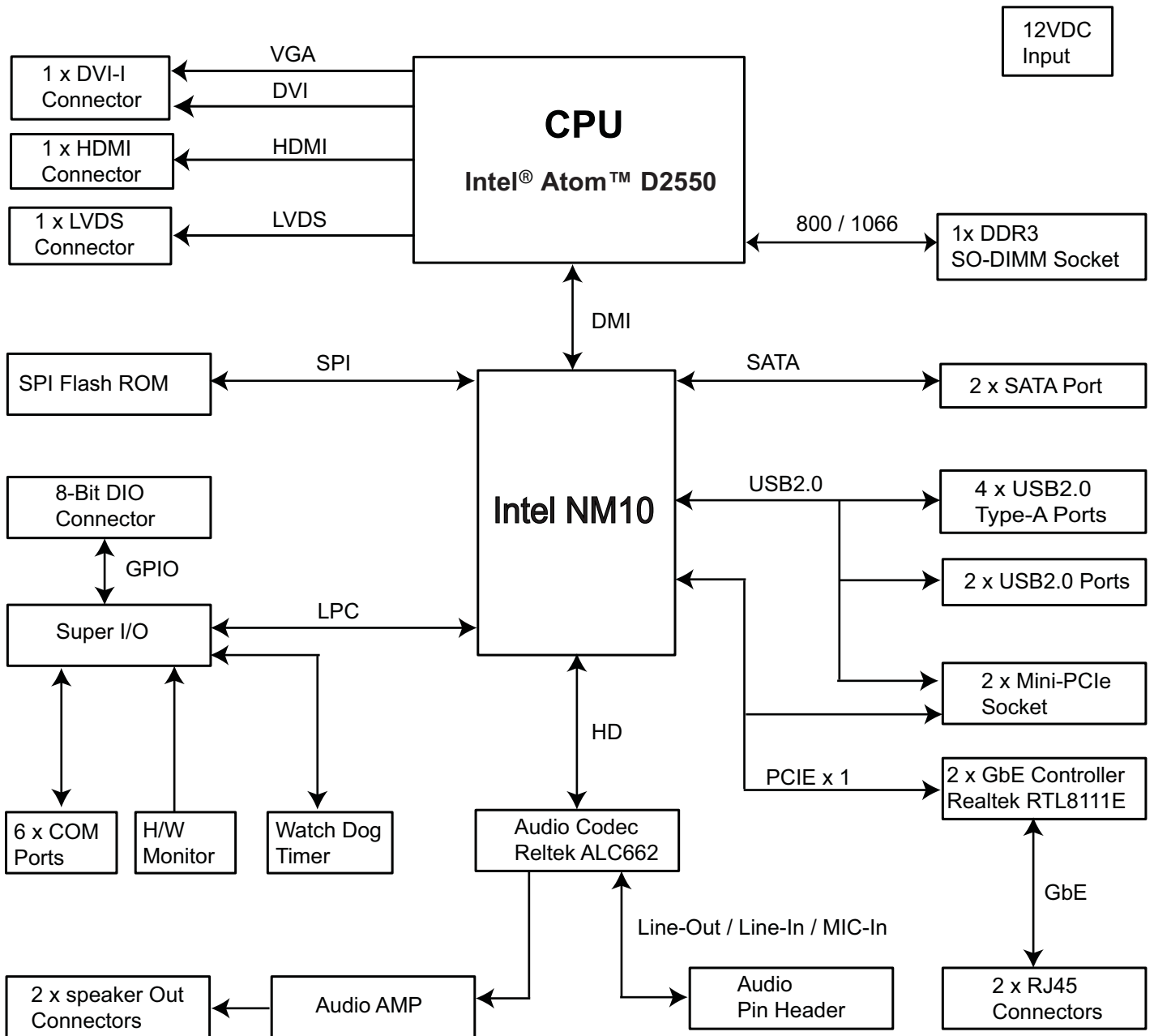
KEEX-1655 Series

Intel® Embedded Compact Extended Form Factor with
Dual Core Intel® Atom™ Processor D2550



- Intel® Atom™ Processor D2550
- Intel® NM10 Express Chipset
- Intel® Graphics Media Accelerator 3650
- Single-channel DDR3 800/1066 MHz memory support
- 6xUSB2.0, 6xCOM, 2xGbE LAN, 2xSATA
- 8-bits Digital I/O supported
- LVDS, HDMI, DVI-I Supported
- Mini-PCIe expansion

Block Diagram

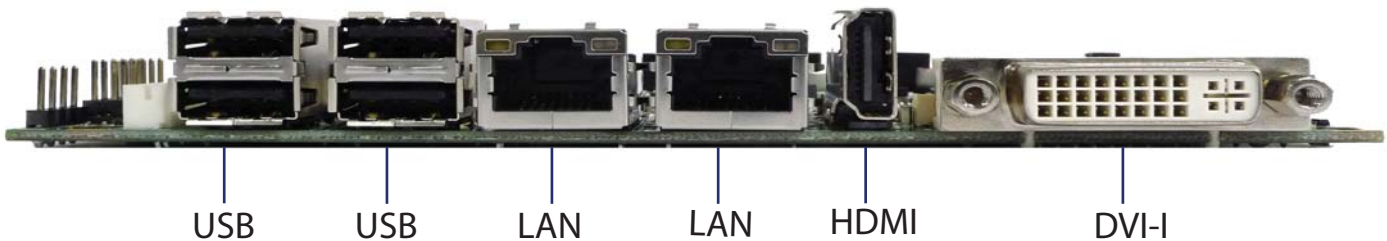


Technical Information

CPU Support	Intel® Atom™ Processor D2550 (1M Cache, 1.86GHz)
Chipset	Intel® NM10 Express Chipset
Memory	1x Single-channel DDR3 800/1066 MHz memory support (4GB max)
BIOS	AMI uEFI BIOS (16Mb SPI flash ROM)
Display	Intel® Graphics Media Accelerator 3650 1x Single channel 18-bit/24-bit LVDS 1x HDMI type A connector on rear I/O 1x DVI-I connector on rear I/O
LAN	2x Gigabit Ethernet (Realtek RTL8111E) PXE/RPL/WOL supported
Audio	Realtek ALC662-VC HD Codec w/ 2W Audio Amplifier Line-In, Line-Out and Mic-In Supported
Storage	1x SATA and 1x mSATA
USB	6x USB 2.0 supported

COM	6x COM ports supported (4x COM[RS-232] ports with power selection on COM1~4) (1x COM port with RS-232/422/485 selection on COM1) (2x COM[RS-232] ports without power selection on COM5~6)
DIO	1x 8-bits programmable DIO
Expansion Slot	1x Mini-PCIe and 1x mSATA
Hardware Monitor	Operating voltage, CPU temperature and fan speed
Watchdog Timer	1-255 step, can be set with software on Super I/O
Power	AT/ATX Power Mode supported 1x4 pin power connector for single +12VDC power input
OS Supported	Windows 7
Dimensions	ECX, 146 mm x 105 mm
Environment	Operation Temp: -20°C to 70°C Storage Temp.: -40°C to 85°C Humidity: 0% - 95%
Certification	CE, FCC Class A

KEEX-1655 Rear I/O



Ordering Information

Article	Description
KEEX-1655	Industrial ECX Board with Intel® Atom D2550, NM10 Express chipset, Gb Ethernet, 18/24-bit LVDS, DVI, SATA, mSATA, MiniPCIe, USB 2.0