**Features**

**EXPANSION**
- 1 PCIe x16
- 1 PCIe x4
- 1 Mini PCIe (PCIe signal only)
- 2 PCIe
- 1 ExpressCard Slot (PCIe signal only)

**DISPLAY OUTPUTS**
- 1 VGA, 1 LVDS

**LAN**
- 1 Gigabit LAN port

**COM**
- 4 COM

**USB**
- 8 USB 2.0

**STORAGE**
- 4 SATA: 2 SATA 3.0, 2 SATA 2.0
- 1 CF

**DIO**
- 8-bit DIO

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**Mechanical Drawing**

**Block Diagram**
Specifications

ONBOARD AUDIO FEATURES
• Realtek ALC886 5.1-channel High Definition Audio
• Audio outputs: Mic-in/Center+Subwoofer, line-in/surround and line out
• S/PDIF audio interface

STORAGE
• 4 Serial ATA ports
  - 2 SATA 3.0 ports with data transfer rate up to 6Gb/s
  - 2 SATA 2.0 ports with data transfer rate up to 3Gb/s
• 1 CompactFlash socket

DIGITAL I/O
• 8-bit Digital I/O connector
  - 4-bit GPI (General Purpose Input)
  - 4-bit GPO (General Purpose Output)

REAR PANEL I/O PORTS
• 3 DB-9 RS232 serial ports
• 1 DB-15 VGA port
• 1 RJ45 LAN port
• 4 USB 2.0/1.1 ports
  - Line-in/Surround, Line out, Mic-in/Center+Subwoofer jacks
• 1 mini-DIN-6 PS/2 mouse port (option)
• 1 mini-DIN-6 PS/2 keyboard port (option)

I/O CONNECTORS
• 2 connectors for 4 external USB 2.0/1.1 ports
• 1 connector for 1 external RS232 serial port
• 1 LVDS LCD panel connector
• 1 LCD/inverter power connector
• 1 8-bit Digital I/O connector
• 1 front audio connector for line-out and mic-in jacks
• 1 S/PDIF connector
• 4 Serial ATA ports
• 1 LPC connector
• 1 i2C connector
• 1 SMBus connector
• 1 24-pin ATX power connector
• 1 4-pin 12V power connector
• 1 chassis intrusion connector
• 1 front panel connector
• 3 fan connectors

EXPANSION SLOTS
• 1 PCIe x16 Gen 3 slot
• 1 PCIe x4 Gen 2 slot
• 1 Mini PCIe slot (PCIe 2.0) (PCIe signal only)
  - USB signal: optional
• 2 PCI slots (PCI 2.3)
• 1 ExpressCard slot (PCIe signal only)
  - USB signal: optional

SUPPORTED COM EXPRESS® MODULES
• Basic
• Compact

DAMAGE FREE INTELLIGENCE
• Legacy Super I/O support (option)
  - Monitors 5V/1.5V/12V/3.3V
  - Monitors SIO_Fan 1/SIO_Fan 2/SIO_Fan 3

ROM INTERFACE
• 1 SPI interface
  - Supports up to 64Mbit
• 1 LPC/FWH interface

TEMPERATURE
• Operating: 0°C to 60°C
• Storage: -20°C to 85°C

HUMIDITY
• 10% to 90%

POWER OUTPUT
• 12V, 5VSB, VCC_RTC (ATX mode)
• 12V, SV, VCC_RTC (AT mode)
• 12V, VCC_RTC (AT mode)

PCB
• Dimensions
  - microATX form factor
  - 244mm (9.6") x 244mm (9.6")
• Compliance
  - PICMG COM Express® R2.0, Type 2

CERTIFICATIONS
• CE
• FCC Class B
• RoHs

Packing List
• 1 COM330-B board
• 2 Serial ATA data cables
• 1 USB port cable (with bracket)
• 1 COM port cable (with bracket)
• 1 I/O shield
• 1 DVD
• 1 QR (Quick Reference)

Optional Items
• Serial ATA data cable
• COM port cable
• USB port cable
• I/O shield
• Serial ATA power cable

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