COM630-B0
Carrier Board

AUDIO FEATURES
- Realtek ALC655 AC97 audio codec
- 6-channel audio output
- 2W amplifier for speaker-out

SERIAL ATA FEATURES
- SATA speed up to 3Gb/s
- Four L-type connectors

IDE FEATURES
- Supports up to Ultra ATA 100
- One IDE channel supports up to 2 IDE devices

BIOS FEATURES
- FWH/LPC interface
- Supports up to 4Mbit flash ROM
- PLCC32 socket
- Supports WP# jumper
- Carrier board ROM enable/disable function supported

I/O CHIP 1 FEATURES
- Winbond 83627HG-AW controller
- LPC interface
- Supports Smart fan
- Default I/O port address "2eh"

I/O CHIP 2 FEATURES
- Fintek F81216D controller
- LPC interface
- Supports 4 COM ports
- Supports IrDA
- Watchdog timer function
- Default I/O port address "4eh"

DAMAGE FREE INTELLIGENCE
- Monitors system temperature and overheat alarm
- Monitors system fan speed and failure alarm

TEMPERATURE
- Operating: 0ºC to 60ºC
- Non-operating: -40ºC to 85ºC

HUMIDITY
- Operating: 10% to 90%

VIBRATION
- Amplitude: 1.5mm
- Frequency: 5-55-5Hz
- Time: 360 min per 72 cyle in each 3 axes

REGULATORY
- EMC: EN55022, EN61000-3-2, EN61000-3-3, EN55024, FCC Part 15 Class B

REAR PANEL I/O PORTS
- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 3 DB-9 serial ports
- 1 DB-15 VGA port
- 1 RJ45 LAN port
- 4 USB 2.0/1.1 ports
- Mic-in, line-in and line-out

I/O CONNECTORS
- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 connector for an external serial port
- 1 LCD brightness control connector
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 Digital I/O connector
- 1 Digital I/O power connector
- 1 front audio connector for line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 S/PDIF-in/out connector
- 1 speaker out connector
- 1 connector for IrDA interface
- 4 Serial ATA connectors
- 1 40-pin IDE connector
- 1 FDD connector
- 1 parallel connector (optional)
- 1 24-pin ATX power connector
- 1 4-pin 12V power connector
- 1 Wake-On-Ring connector
- 1 front panel connector
- 3 fan connectors
- 1 diagnostic LED (optional)

EXPANSION SLOTS
- 1 CompactFlash socket
- 1 PCI Express x16 (Graphics or Dual SDVO)
- 2 PCI Express x1
- 4 PCI slots (PCI 2.3, 32-bit, 33MHz)

COM EXPRESS CONNECTORS
- Two 220-pin COM Express standard connectors
- Module connector pin: Tyco 3-631849-6

PCB
- 4 layers, ATX form factor
- 30.5cm (12") x 24.4cm (9.6")

SAFETY
- UL, cUL, FCC Class B, CE

REAR PANEL I/O PORTS

PS/2 Mouse · COM 2 · COM 4 · LAN · Mic-in · USB 3 · Line-in · Line-out · PS/2 K/B · COM 1 · VGA · USB 0-1 · USB 2