

## Overview

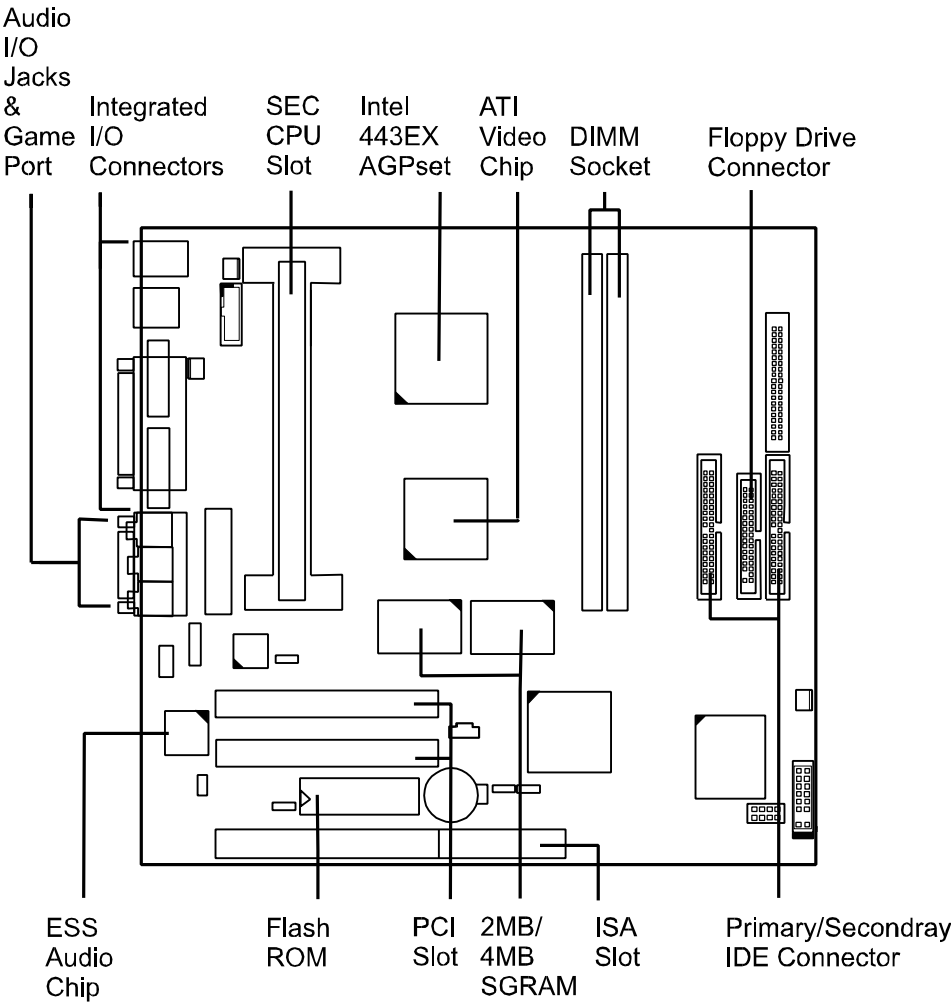
Based on the advanced [Intel 443EX AGPset](#), the KLI-6130 combines blistering [Pentium II](#) processor performance with support for the new [Accelerated Graphics Port \(AGP\)](#) interface which provides a dedicated path for memory-intensive graphics applications – delivering faster system performance and arcade-quality 3D graphics. Also, it has a host bus frequency of 66MHz to run a range of [Intel Pentium II, Deschutes, and Celeron processors](#). Compliant with the [Microsoft PC97](#) standard at both the hardware and BIOS levels, the KLI-6130 comes with support for [ISMP](#) which continuously checks the thermal (available on the Deschutes CPU) and voltage status of your system and changes, when necessary and reports any discrepancies to the network administrator. The board has a [versatile MicroATX-size platform](#) for leading-edge PC '97 compliant systems. For the most up-to-date information and the latest FAQs and BIOS updates, visit FIC Online at [www.fic.com.tw](http://www.fic.com.tw).

### Package Checklist

Please check that your package contains all the items listed below. If you discover any item is damaged or missing, please contact your vendor.

- [The KLI-6130 motherboard](#)
- [This user's manual](#)
- [One IDE ribbon cable](#)
- [One floppy disk drive ribbon cable](#)
- [One ribbon cable with bracket for COM2](#)
- [Retention mechanism and heatsink support brace](#)
- [Software utilities](#)

**The KLI-6130 Motherboard**



## Main Features

- **Easy Installation**  
BIOS with support for Plug and Play, auto detection of IDE hard drives, LS-120 drives, MS Windows 95, Windows 98, Windows NT, and OS/2.
- **Flexible Processor Support**  
Onboard 242-pin Slot1 supports: Intel Pentium II 233/266/300MHz, Celeron 266MHz, and at Deschutes 333MHz.
- **Leading Edge Chipset**  
Intel 82443EX AGPset includes a CPU interface controller, integrated SDRAM controller, synchronous ISA bus controller, integrated power management unit, concurrent PCI (PCI v.2.0 and 2.1), and USB.
- **Versatile Main Memory Support**  
Accepts up to 256MB DRAM in two banks using DIMMs of 8, 16, 32, 64, 128MB with support for SDRAM or EDO memory.
- **Onboard Video Chip**  
Onboard ATI Rage Pro video chip with AMC connector support AGP video features for superior 3D video and graphics performance with transfer speeds exceed 500MB/second under 2x transfer mode.
- **IrDA Connector**  
An onboard IR connector for wireless infrared connection is available.
- **Super Multi Input/Output (I/O) Support**  
Integrated NS 87309 Plug and Play multi-I/O chipset features two high-speed UART 16550 compatible serial ports, one IR connector, one EPP/ECP capable parallel port, and one floppy connector.
- **Remote Wake-Up Support**  
Onboard RWU connector allows remote management in a simpler and convenient control to LAN-based networks.
- **LDCM Software Support (manufacturing optional)**  
Intel LANdesk Client Manager is a Desktop Management Interface (DMI)-compliant application for local and network management of desktop client systems. The application reduces the number of help desk calls by supplying the user with self diagnostics such as a PC health meter and local alert for potential problems.

■ **Optimized Intel Pentium II Level Processor Performance**

The motherboard utilizes the advanced features of the Intel 443EX AGPset to optimize the unrivaled performance of the Intel Pentium II, Deschutes, and Celeron processors, allowing you to enjoy multimedia software.

■ **CPU Thermal Monitoring Alert (available on the Deschutes CPU)**

A special heat sensor monitors the CPU temperature to make sure that the system is operating at a safe heat level. If the temperature is too high, the sensor automatically generates an SMI to slow down the CPU clock.

■ **Optional System Over-Voltage Report**

System voltage levels are monitored. The system will warn you if the system voltage levels become abnormal. The monitored range for system voltage is -12V, -5V, +12V, +5V, +3.3V, CPU core voltage  $\pm 10\%$ .

■ **Compact Onboard Audio Subsystem**

Integrated ESS Solo1 PCI Audio**Drive** single-chip PCI audio processor that contains a PCI audio controller, DOS games comptabile engine, and owns the feature of high-quality **ESFM** music synthesizer. The subsystem utilizes speaker, line-in, and MIC mini-jack external jacks, one joystick port with MIDI interface.

■ **High-Resolution Onboard VGA Subsystem**

ATI's Rage Pro is an integrated 2D, 3D, and video accelerator for bring great 3D performance of up to 1600x1200 in 256 color solutions by onboard SGRAMs. The board also comes with a 16-bit, bi-directional video port, ATI Multimedia Channel (AMC) for allowing direct connection to popular video upgrades, such as video capture/video conferencing, hardware MPEG-2/DVD player, TV Tuner WITH Intercase support, and Interface to ATI's ImpactTV chip.

■ **Onboard Accelerated Graphics Port (AGP)**

The 32-bit AGP bus provides a dedicated 66Mhz/133Mhz path from the graphics card to the system memory offering a much greater bandwidth than the 32-bit PCI bus does which currently operates at a speed of 33MHz. AGP enabled 3D graphics cards can directly access main memory across this fast path instead of using local memory. This is especially important for memory-intensive 3D graphics applications so as to produce a more detailed 3D texture, greater clarity and higher levels of resolution without compromising system performance. This motherboard is fully compliant with the AGP 1.0 specification.