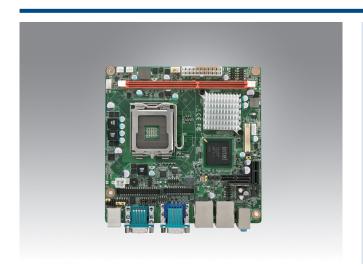
AIMB-267 KIOSK mini-ITX with VGA/LVDS, 8 COM, Dual LAN

Intel® Core™2 Quad LGA 775 8 COM, Dual LAN



Features

- Intel® G41 chipsets supports 1333/1066/800 MHz FSB
- Single channel DDR3 1066/800 MHz SDRAM up to 4 GB
- Supports VGA and single/dual channel 24/48 bit LVDS panel and dual channel 6 W amplifier
- Supports 8 serial ports, 8 USB, 8-bit GPIO, dual LAN
- Support PClex1, CF card

Software APIs:









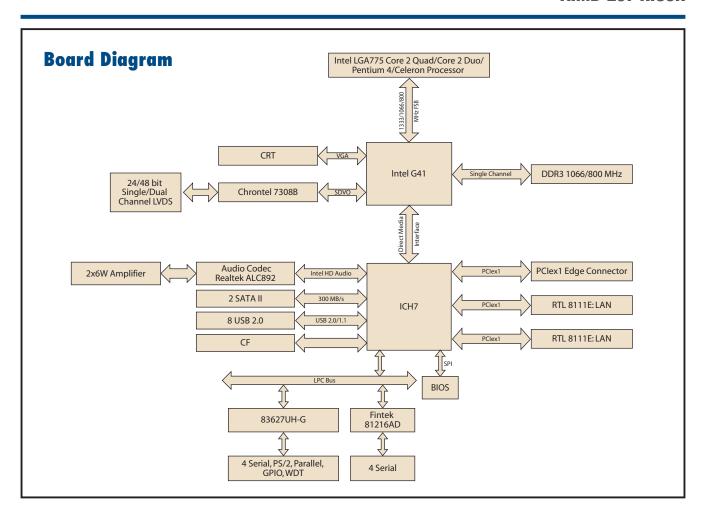
Utilities:





Specifications

Intel Celeron E3400 2.60 GHz 1M
1M
mitter
-12 V
0.06 A



Ordering Information

Part Number	Chipset	Display	COM	GbE LAN
AIMB-267G2-KSA1E	G41	1 VGA, 1 LVDS	8	2

^{*}We strongly suggest using only Advantech's certified LGA775 CPU cooler's to ensure board reliability under harsh conditions.

I/O View



AIMB-267G2-KSA1E

Packing List

Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x2
1700018785	Serial ATA HDD power cable	x2
1700000447	COM port cable with four ports	x1
1960022933T100	I/O port bracket	x1
	Startup Manual	x1
	Utility CD	x1

Optional Accessories

Part Number	Description
1750000334	LGA775 CPU cooler (95W)
1700260250	Printer port cable, 25 cm
1700002314	USB cable with four ports, 30.5 cm
1700002204	USB cable with dual ports, 27 cm
1700003195	USB cable with dual ports, 17.5 cm

Value-Added Software Services

Software API: An interface that defines the ways by which an application program may request services from libraries and/or operating systems. Provides not only the underlying drivers required but also a rich set of user-friendly, intelligent and integrated interfaces, which speeds development, enhances security and offers add-on value for Advantech platforms. It plays the role of catalyst between developer and solution, and makes Advantech embedded platforms easier and simpler to adopt and operate with customer applications.

Software APIs

Control



General Purpose Input/Output is a flexible parallel interface that allows a variety of custom connections. It allows users to monitor the level of signal input or set the output status to switch on/off a device. Our API also provides Programmable GPIO, which allows developers to dynamically set the GPIO input or output status.



SMBus is the System Management Bus defined by Intel® Corporation in 1995. It is used in personal computers and servers for low-speed system management communications. The SMBus API allows a developer to interface a embedded system environment and transfer serial messages using the SMBus protocols, allowing multiple simultaneous device



I²C is a bi-directional two wire bus that was developed by Philips for use in their televisions in the 1980s. The I²C API allows a developer to interface with an embedded system environment and transfer serial messages using the I²C protocols, allowing multiple simultaneous device control.

Monitor



A watchdog timer (WDT) is a device that performs a specific operation after a certain period of time if something goes wrong and the system does not recover on its own.

A watchdog timer can be programmed to perform a warm boot (restarting the system) after a certain number of seconds.



The Hardware Monitor (HWM) API is a system health supervision API that inspects certain condition indexes, such as fan speed, temperature and voltage.



Control

Power Saving

The Hardware Control API allows developers to set the PWM (Pulse Width Modulation) value to adjust fan speed or other devices; it can also be used to adjust the LCD brightness.

Display



Brightness Control

The Brightness Control API allows a developer to interface with an embedded device to easily control brightness.

(screen) on/off in an embedded device.



Make use of Intel SpeedStep technology to reduce power power consumption. The system will automatically adjust the CPU Speed depending on system loading.

Refers to a series of methods for reducing power consumption in



computers by lowering the clock frequency. These APIs allow the user to lower the clock from 87.5% to 12.5%. System Throttling

Backlight

Software Utilities



BIOS Flash

The BIOS Flash utility allows customers to update the flash ROM BIOS version, or use it to back up current BIOS by copying it from the flash chip to a file on customers' disk. The BIOS Flash utility also provides a command line version and API for fast implementation into customized applications.



Embedded Security ID

The embedded application is the most important property of a system integrator. It contains valuable intellectual property, design knowledge and innovation, but it is easily copied! The Embedded Security ID utility provides reliable security functions for customers to secure their application data within embedded



The Monitoring utility allows the customer to monitor system health, including voltage, CPU and system temperature and fan speed. These items are important to a device; if critical errors happen and are not solved immediately, permanent damage may



eSOS

The eSOS is a small OS stored in BIOS ROM. It will boot up in case of a main OS crash. It will diagnose the hardware status, and then send an e-mail to a designated administrator. The eSOS also provides remote connection: Telnet server and FTP server, allowing the administrator to rescue the system.



Flash Lock

Flash Lock is a mechanism that binds the board and CF card (SQFlash) together. The user can "Lock" SQFlash via the Flash Lock function and "Unlock" it via BIOS while booting. A locked SQFlash cannot be read by any card reader or boot from other platforms without a BIOS with the "Unlock" feature.