AGP330-837

8/9th Gen. Intel® Core™ Processor
Gaming Platform

Features

- High performance Intel® platform
- Extremely sliming gaming system less than 7.5 liters
- Foldable mounting holder saves cabinet space
- Modular design for easy maintenance and upgrade
- Accommodate generic graphic card lese then 18cm in length
- Security gaming mechanism verified by GLI

CPU
- 8/9th gen Intel® Core™ processor, LGA1151 Socket
- TDP 35W ~ 65W

Chipset
- Intel® H310/Q370 chipset
- Intel® H310 as default configuration

Graphic
- Build-In Intel® UHD graphics
- Supports up to 3 display Interfaces

Memory
- Two DDR4 channels
- 2 x DDR4-2666 SO-DIMM socket support up to 32 GB

Optional Discrete Graphics
- 1 x PCIe X16 slot support full height PCIe graphic card

Communication Interface
- 6 x Serial ports on backplane
  - COM1 by DB9, also support422/485
  - COM2 by DB9, also support ccTalk
  - COM3/4 by DB9, COM3 also support iButton
  - COM5/6 by mini-Fit
- 11 x USB
  - 2 x USB2.0 at front side (door)
  - 1 x USB3.0 vertical type A on core module (main board)
  - 7 x USB 2.0 on backplane
  - 1 x USB 3.0 on backplane
- 2 x PCI-express GbE controller with RJ45 connector on backplane
- SPI Header, I^2C Header on backplane

Storage
- 1 x SATATIII port, support Pin 7 power supply SATA DOM. (cable-less)
- 2 x CFast socket at front side.
- 1 x EEPROM

Audio
- HD Audio 7.1 channels
- 1 x SPDIF out

Gaming Function
- Up to 32MBytes of NVRAM
  - Battery backed up SRAM. Continuous working time of 18,000 hours. Optional for MRAM up to 8MB
  - Battery voltage monitoring
  - Axiomtek TrustedData, hardware bank mirroring and CRC
- Intrusion
  - 6 x intrusion detection. (5 x backplane, 1 x internal)
  - Logs date/time of last 200 events
  - Operates without AC power. (Battery backup)
  - Battery voltage monitoring
- Digital Input
  - 32 x ESD protected input
  - 4 x DIP switch
- Digital Output
  - 32 x output 1A/30V, open drain power MOSFET driver (8 x meter configurable)
  - 3 x output, 3A/30V, open drain power MOSFET driver

BIOS
- GLI verified TrustedBoot support
- Storage validation by secure BIOS
- BIOS validation of boot device via secure hash algorithm
- Write-protection of BIOS ROM

Security
- Onboard TPM 2.0 chip support
- Hardware RSA2048 engine
- Hardware AES256

Software
Full software support for Windows Embedded and Linux
- 32-bit and 64-bit OS support.
- Static, Dynamic and .NET libraries
- Example code and demo software available

Protocol software
Axiomtek supplied communications & peripheral protocols
- SAS 6.02 serial port with 9-bit support
- JCM ID003, ccTalk, MEI
- I^2C devices, generic SPI