ACE-S5600

Gaming System uses Intel Core 2 Duo Processor with Full Gaming Features. Flexible Design via Main Board and I/O Board

RoHS Compliant

Gaming Platform

Features

✓ Intel GME965 with Core 2 Duo, Celeron M

✓ 3 x Battery Backup SRAM 512KB

✓ Selected Write Protect EEPROM up to 4MB

✓ VGA/DVI-D

✓ TPM1.2/iButton/Jurisdiction ROM

✓ 5.1 Audio Channel with 6W Amplifiered

✓ PCI Express x16 Slot

✓ Optional Smart Card Reader Module

Specification

General PC Feature

CPU	● Intel Core 2 Duo 2.20GHz
	● Intel Celeron M 2.0GHz
Chipset	IIntel GME965 + ICH8M
Front Side Bus	533/667/800MHz
Memory	● 1 x 200-pin SO-DIMM socket support 533/667MHz Dual Channel DDR2 SDRAM up to 2GB
	● Onboard 512MB DDR2 SDRAM
Battery	● 1 x 220 mAh battery for system RTC
	● 3 x 140 mAh re-chargable batteries for SRAM, Second RTC, Intrusion Logger
Real Time Clock	1 x system RTC and 1 x secured RTC

Video

Graphic Controller	Intel GME965 integrated GMA X3100 graphic controller
Video Memory	DVMT 4.0, Maximum 384MB shared
Video Interface	● 1 x VGA (1 x DB15)
	● 2 x DVI-D port
PCI Express Slot	1 x PCI Express x16 slot

Storage

SATA	3 x SATA II port
CF	2 x Compact Flash Type I/II socket support UDMA

Communication

Ethernet	2 x Gbps RJ45 with LED, Intel 82574L
USB	8 x USB2.0 (4 x external port, 4 x pin header)
Serial Port	● 3 x RS-232
	● 2 x RS-232/ccTalk
	● 2 x RS-232/TTL
	● 2 x RS-232/422/485

Audio

Output	5.1 channel
Amplifier	6 Watts per channel
Volume Channel	Left channe

Other Feature

Hardware Monitoring	● CPU Voltage
	● CPU and system temperature
	● CPU and fan speed
	● System fan speed control
WatchDog Timer	Software programmable 1~255 sec.
Indicator	HDD and Power LED

Gaming Function

Digital Input	● 32 x optical isolated input
	● State change interrupt
Digital Output	32 x 500 mA digital output
Readable DIP Switch	1 x 8-bit DIP switch

Gaming Function

GPIO (TTL Level)	-
Timer	4 x 16-bit timers with time out interrupt
Battery backup SRAM	● 3 x 512KB
	● 140 mAh rechargeable battery
	● Battery voltage low log and voltage readback
EEPROM	2K Bytes
Jurisdiction Chip	8 x PLCC ROM socket
Intrusion Logger	● 1 x chassis intrusion switch + 2 bits on golden fingers
	● 10 events with time stamps
	● 140 mAh rechargeable battery
	● battery voltage low log and voltage readback
Chassis Intrusion Switch	1 x switch on system chassis
Smart Card Reader	-
Reel Mechanism Control	-
Smart Hard Meter	8 x smart hard meter outputs
Random Number Generator	16 bits
Security	iButton socket, ProtectU, TPM 1.2

Power Requirement

Power Input	10-pin ATX power connector
Power Consumption	-

Software

OS Support	Windows XP/XP Embedded, Linux
Software Development Kit	● Device driver
	● Application Program Interface (API)
	● Demo program

Mechanical & Environment

Thermal Design	CPU fan
Chassis Material	SPGC steel
Dimension (W x H x D)	259mm x 161mm x 247mm (10.20" x 6.34" x 9.73")
Weight	
Operating Temp.	-10~60°C (14~140°F)
Storage Temp.	-20~70°C (-4~158°F)
Relative Humidity	0 to 90% @ 40°C, non-condensing
Safety	CE, FCC class A

Packing List

● 1 x ACE-S5600FL
● 1 x Software driver CD
● 1 x Quick user's manual

Ordering Information

ACE-S5600T75	ACE-S5292FL with Intel Core 2 Duo 2.20GHz
ACE-S5600CM55	ACE-S5292FL with Intel Celeron M 2.0GHz