



Features

- ✔ Intel GME965 with Core 2 Duo, Celeron M
- ✔ Battery Backup SRAM 512KB x 3
- ✔ Selected Write Protect EEPROM up to 4MB
- ✔ VGA/DVI-D
- ✔ TPM1.2 / iButton / Jurisdiction ROM
- ✔ 5.1 Audio channel with 6W Amplified
- ✔ PCI Express 16X Slot

SPECIFICATION

System	
CPU	Supports Intel Core 2 Duo, Celeron M Processors
Chipset	Intel GME965 + ICH8M
Front Side Bus	533/667/800MHz
Memory	Onboard 512MB DDR2. One SO-DIMM socket supports DDR2 533/667 SDRAM up to 2.5GB
Battery	One CR2032 (220mAh) for system RTC. Three Re-chargable for SRAM, Second RTC, AGA
BIOS	Award
RTC	2 sets
Hardware Monitoring	Yes
WatchDog Timer	Software programmable 1~255 sec./min.
Security	1. TPM 1.2 (Infineon SLB 9635 TT 1.2) 2. ProtectU 3. iButton 4. EEPROM 5. Jurisdiction ROM
NVRAM	Triple 512K x 8-bit low power SRAM chips. Support "Independent" and "Replicate" write mode (select by jumper). Each SRAM with data clear mini jumper (option 3 x 512KB FRAM).
OS	Windows XP/XP Embedded/CE, Linux
Video	
Video Controller	Integrated Intel GMA 3100 graphic controller
Video Interface	VGA port x 1, DVI-D port x 2
Ethernet	
Connector	RJ45
LAN	2 x 10/100/1000Mbps Ethernet (Secondary LAN is optional)
Storage	
SATA	Serial ATA 2 Port x 2 (Option)
SSD	2 x Compact Flash socket
Others I/O	
Serial Port	RS-232C x 9 (1 x pin header from MB, 8 x DB9 from Backplane). RS-422/485 (pin header) x 2, ccTalk x 2
USB Port	8 x USB 2.0 (pin header x 2 on M.B, pin header x 2 in bNAND, Socket x 4 on Backplane)
Audio	5.1 Audio output (Standard Speaker connector) Amplified & Non-Amplified
Keyboard/Mouse	PS/2 Keyboard and PS/2 Mouselock/unlock jumper
GPIO	32-bit Isolation GPI in 2 x 20 pin header 32-bit Darlington GPO in 2 x 20 pin header
Hard Meter	Smart Hard Meter 8-bit (2 x 4 pin header) with Current sense feedback
Intrusion Logger	External Intrusion logger 7-bit (2 x 4 pin header)

Mechanical & Environment	
Dimension	TBD
Power Supply	ATX Power connector or optional 100W DC to DC converter
Operating Temp.	-10~60°C (14~140°F)
Storage Temp.	-20~70°C (-4~158°F)
Relative Humidity	10 to 90% @ 40°C, non-condensing
EMC	CE · FCC