

Quick Start Guide

Viglen Product description: Digital Signage Controller
Viglen Order Code: PBAEVL01





Technical Specification



Model	DE-945CD
Dimension:	166(W)x48(H)x157(D)mm 6.5(W)x1.89(H)x6.1(D)inch
Volume:	1.25L
Weight(Kg/Pound) :	1.23kg / 2.72 pound (N.W.)
Housing Material:	SECC t=0.8mm
CPU:	Socket M, Support Intel Core 2 Duo/Core Duo/Core Solo/Celeron M 4xx CPU FSB 667/533MHz
Chipset:	Intel 945GM+ICH7M Chipset
Memory:	Dual Channel Mode SO-DIMM DDRII x 2 SO-DIMM DDRII 533/667 Max memory size : 4GB* Note : * Max hardware structure. System will not detect up to 4GB due to chipset limitation.
Graphics:	Integrated VGA Engine in 945GM chipset (Intel GMA 950) Connector : DVI-i x 1, S-Video Out x 1, D-Sub x 1 (via Y Cable)
Expansion Slot:	mini PCI Slot x 1
Audio:	Realtek ALC888 HD Audio CODEC on-board, 5.1 Channel
LAN:	Integrated Intel Gigabit LAN Controller
USB:	Integrated in chipset
Chassis:	Slot-in Slim ODD Bay x 1, 2.5" SATA II HDD Bay x 1
Front Panel IO:	Power Button x 1, USB 2.0 Port x 2, Power indicator x 1, HDD indicator x 1
Rear Panel IO:	DC 19V Jack x 1 DVI-i Port x 1 S-Video Out Port x 1 USB 2.0 Port x 2 IEEE 1394 Port x 1 RS232 Serial Port x 1 RJ45 LAN Jack x 1 Line-In Jack* x 1 Line-Out Jack* x 1 Microphone Jack* x 1 Note : * Switch by Utility Software
Security:	User's Password Protection of BIOS and Security Lock of OS (TPM v1.2) Kingstone Lock Hole x 1
CPU Thermal:	AOpen Proprietary Fan Thermal Module

Adapter:	90W (19V, 4.74A) AC Adapter
Environment:	MTBF : 40,000 hrs Operating Temperature : 0 ~ 50°C(32 ~ 122°F) Relative Humidity : 95% RH (50°C non-Condensing) Operating Vibration : 0.5Grms, Random, 10~500Hz, X,Y,Z 3Axes, 0.5hr/Axis Operating Shock : 8G, half sine, 11ms duration, X,Y,Z 3Axes, 6Direction, 3 shocks/direction
Accessory:	90W Power Adapter x 1, Power Cord x 1), DVI to DVI & D-Sub Y Cable x 1 AOpen Proprietary "L" Bracket x 1, Drivers CD x 1, Assembly Guide x 1
Certification:	CE, FCC, UL
Support OS:	Windows Vista Home Ultimate / Premium / Basic, Windows XP

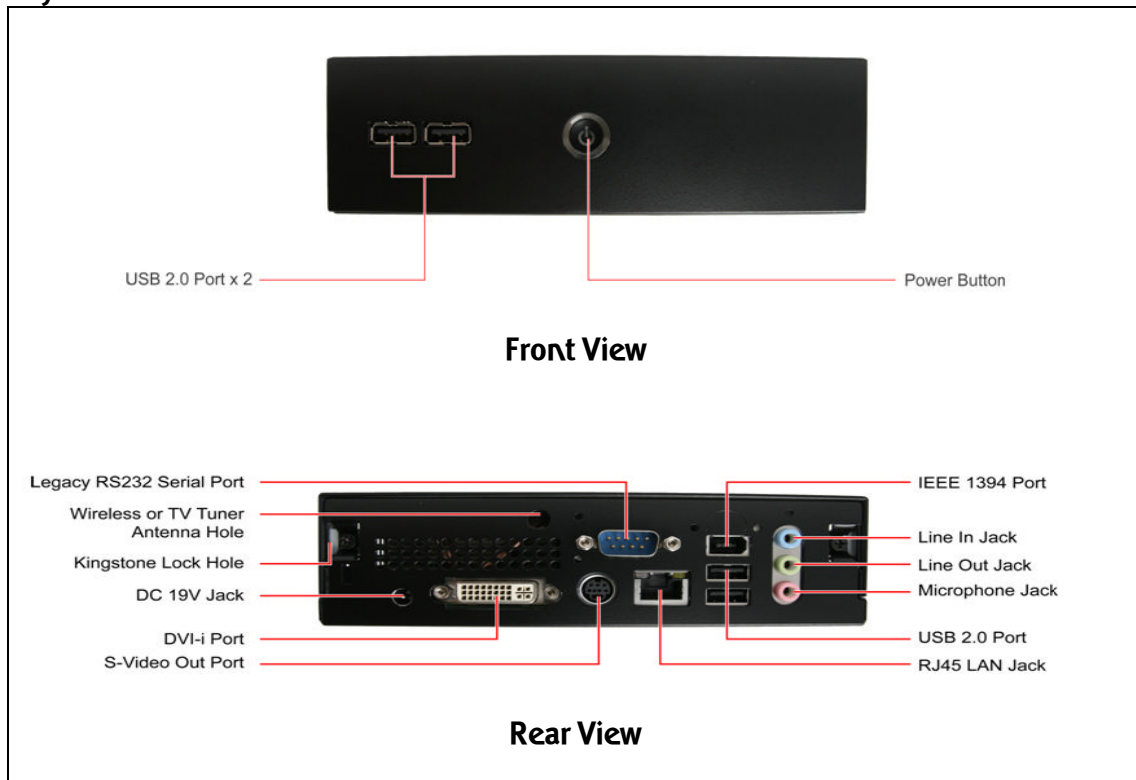
Supported CPU List in Detail

See the table below for a complete list of supported processors.

Processor Number	Clock Speed	Front Side Bus	Cache	Raito	Notes
 Merom					
Core 2 Duo T7600 (ES)	2.33 GHz	667 MHz	4 MB	14 x	Support after BIOS R1.00
Core 2 Duo T7400 (ES)	2.16 GHz	667 MHz	4 MB	13 x	Support after BIOS R1.00
Core 2 Duo T7200 (ES)	2.00 GHz	667 MHz	4 MB	12 x	Support after BIOS R1.00
Core 2 Duo T7200 (B-2)	2.00 GHz	667 MHz	4 MB	12 x	Support after BIOS R1.00
Core 2 Duo T5600 (ES)	1.83 GHz	667 MHz	2 MB	11 x	Support after BIOS R1.00
Core 2 Duo T5500 (L-2)	1.66 GHz	667 MHz	2 MB	10 x	Support after BIOS R1.00
 Yonah					
Core Duo T2700 (ES)	2.33 GHz	667 MHz	2 MB	14 x	Support after BIOS R1.00
Core Duo T2600 (ES)	2.16 GHz	667 MHz	2 MB	13 x	Support after BIOS R1.00

Core Duo T2500 (ES)	2.0 GHz	667 MHz	2 MB	12 x	Support after BIOS R1.00
Core Duo T2400 (ES)	1.83 GHz	667 MHz	2 MB	11 x	Support after BIOS R1.00
Core Duo T2300 (ES)	1.66 GHz	667 MHz	2 MB	10 x	Support after BIOS R1.00
Core Duo T2300E (ES)	1.66 GHz	667 MHz	2 MB	10 x	Support after BIOS R1.00
Core Duo T2080 (ES)	1.73 GHz	533 MHz	1 MB	13 x	Support after BIOS R1.00
Core Duo T2050 (ES)	1.6 GHz	533 MHz	2 MB	12 x	Support after BIOS R1.00
 Yonah					
Core Solo T1400 (ES)	1.83 GHz	667 MHz	2 MB	11 x	Support after BIOS R1.00
 Celeron M					
Celeron M 450 (ES)	2.00 GHz	533 MHz	1 MB	15 x	Support after BIOS R1.00
Celeron M 440 (ES)	1.86 GHz	533 MHz	1 MB	14 x	Support after BIOS R1.00
Celeron M 430 (ES)	1.73 GHz	533 MHz	1 MB	13 x	Support after BIOS R1.00

System Overview



BIOS Initial Release.

BIOS: IAI10TV.BIN

Driver's initial release

Windows XP /Home

Chipset: Intel Chipset Driver	R8.1.1.1009_PV
VGA: Intel Extreme Graphic Driver	R14.25.0.4704_PV
Audio: Realtek High Definition Audio Driver R1.59	5.10.0.5366
LAN: Intel(R) PRO Network Connections 11.2	11.2
RAID: Intel Matrix Storage Manager	6.2.1.1002
TPM: Trusted Platform Module (Infineon)	3.0.1

Windows Vista 32-Bit

Chipset: Intel Chipset Driver	8.1.1.1010
VGA: Intel Extreme Graphic Driver	7.14.10.1227
Audio: Realtek High Definition Audio Driver R1.59	6.0.1.5372
LAN: Intel(R) PRO Network Connections 11.2	11.2
RAID: Intel Matrix Storage Manager	6.2.1.1002
TPM: Trusted Platform Module (Infineon)	3.0.1

NDIS2 Driver

Intel® PRO Network Connections	4.85
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