DVS-350Z

Rugged Vehicle/Embedded Platform with 2.5" HDD



Features

- Rugged enclosure and easy mounting design for diversified integration needs
- Anti-vibration, anti-shock design to ensure maximum reliability
- Fanless design within sealed construction
- x86 architecture for easy application development & integration
- TV-out and WLAN module support
- Wide power source (9 ~ 30 V DC)
- CardBus interface for optional mobile communication module
- All in one main board design

Introduction

The DVS-350Z is an industrial grade PC-based vehicle computer. It is designed for installation in mission-critical environments with its fanless, anti-vibration, anti-shock design. A wide power range of 9 to 30V DC and optional vehicle power management module can protect the system from power surges while used on vehicles. The cardbus, Mini PCI and IDE CF make the DVS-350Z the ideal platform to integrate with communication modules like WLAN, GPS, GPRS or CDMA. These features combined with USB, Com, TV-out and isolated DI, DO, make the DVS-350Z the best solution for in-vehicle applications, like fleet management, CIS, device control, digital signage and digital vehicle recorders.

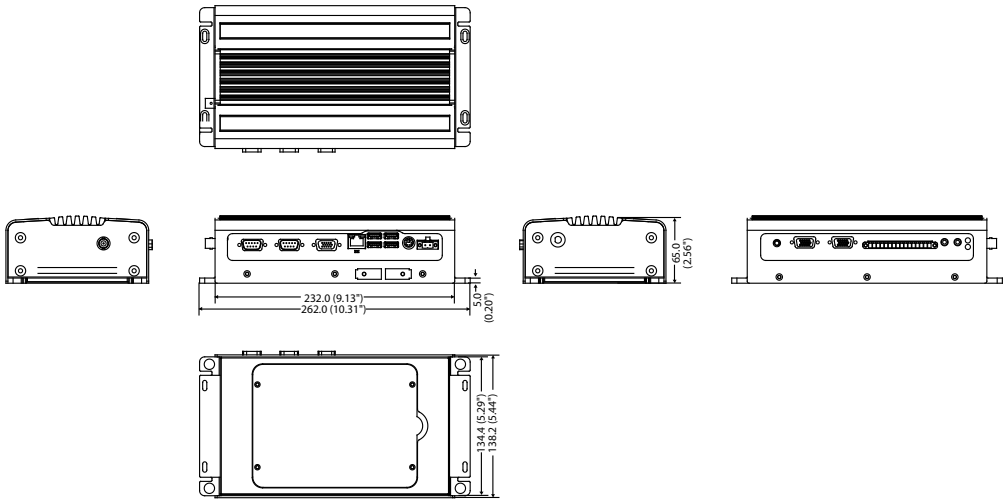
Specifications

Software Development Kit	Operating System	Supports Microsoft Windows® XP with SP2, Windows XP Embedded and Windows 2000 with SP4
	DirectX Support	Version 9 or above
	Demo Program	Complete demo program with VC++ sample code for reference
	Function	DIO control
Processor System	CPU	Intel® Pentium® M LV 1.4 GHz
	Chipset	Intel 852GME/ICH4
	L2 Cache	2 MB
	BIOS	AWARD® 4 Mbit BIOS
Memory	Technology	DDR 200/266/333 modules, ECC support
	Max. Capacity	1 GB
	Socket	200-pin SODIMM
Graphic	Chipset	Chipset integrated VGA controller
	Memory Size	Shared system memory up to 64 MB
	Resolution	Up to 1600 x 1200 @ 85 Hz and 2048 x 536 @ 75 Hz
	TV-out	Composite out (BNC type)
Ethernet	Interface	10/100Base-T
	Controller	Intel 82551QM
	Connector	1 x RJ-45
	WLAN	802.11b/g
Storage	IDE-0	2.5" HDD Tray
	IDE-1	Type I/II CompactFlash socket
I/O Interface	TV-out	1 x Composite Out with BNC connector
	VGA	1 x D-sub 15-pin
	LAN	1 x RJ-45
	USB	4 x USB 2.0, 480 Mbps
	Audio	AC97: LINE-OUT, MIC-IN
	Serial	COM1: RS-232; COM2: RS-485/RS-422
	PS/2	1 x keyboard and mouse with Y cable
	DIO	5 x Isolated DI, 2 x Relay DO, 1 x Remote SW control
	MiniPCI	1 x (for Integrated WLAN module)
I/O Interface	CardBus	1 x slot
	Power Switch	External Power Switch Connector

All product specifications are subject to change without notice

Dimensions

Unit: mm (inch)



Power Requirement	Management	APM 1.2, ACPI supported
	Power Consumption	Average 15 W
	Power Adapter	9 ~ 30 V DC, Typical 9 V DC @ 5.4 A, 19 V DC @ 2.9 A
Watchdog Timer	Output	Interrupt, system reset
	Interval	Programmable 1 ~ 255 sec.
Physical Characteristics	Construction	Aluminum housing
	Mounting	Din-Rail mounting and desk/wall mounting
	Dimensions (W x H x D)	232.0 x 65.0 x 138.4 mm (9.1" x 2.5" x 5.4")
	Weight	2.3 kg (5.06 lb)
Environment	Temperature	Operating: -10 ~ 45° C
	Temperature (with industrial grade components)	Operation: -15 ~ 55° C
	Relative Humidity	Operating: 95% @ 40° C (non-condensing)
	Vibration Resistance	Operating: 1 Grms, IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 oct/min, 1 hr/axis
	Shock Resistance	Operating: 40 G, IEC 60068-2-27, half sine, 11 ms

Ordering Information

Part Number	HDD Support	CPU	Memory	L2 Cache
DVS-350-ZPS4E	2.5" HDD Tray	Intel Pentium M LV 1.4 GHz	N/A	2 MB

Optional Items

2.5" Hard Drive Options

Part Number	RPM	Type	Capacity
96ND40G-I-HI4K	4200	IDE Parallel-ATA	40 GB
96ND60G-I-FJ4K1	4200	IDE Parallel-ATA	60 GB
96ND80G-I-HI4K	4200	IDE Parallel-ATA	80 GB

Power Adapter Options

Part Number	Description
1757000222	AC-to-DC Adapter DC 19 V/3.42 A/65 W, with Phoenix Power Plug

Power Cord Options

Part Number	Description
1700001947	2-pin 180 cm, USA
1700001948	2-pin 180 cm, Europe
1700001949	2-pin 180 cm, UK

Industrial-grade CompactFlash Card Options

Part Number	Capacity	Operation Temperature
96FMCFI-512M-ET-AP	512 MB	-40° C (-40° F) ~ 85° C (185° F)
96FMCFI-1G-ET-AP	1 GB	-40° C (-40° F) ~ 85° C (185° F)

Packing List

Part Number	Description	Qty
2013000000	2 year warranty card	X 1
2062S35000	Driver CD	X 1
1700001394	DC Jack with 2-pin pluggable terminal block	X 1
1652000209	Pluggable terminal block for DI and DO	X 1
1700060202	Y cable of KB and PS/2 Mouse	X 1