

Vehicle & Fleet Management Solutions

Managing Your Mobile Resources
in the Most Cost-Effective Way



- ✓ Fleet Management
- ✓ Law Enforcement
- ✓ Logistics & Warehousing



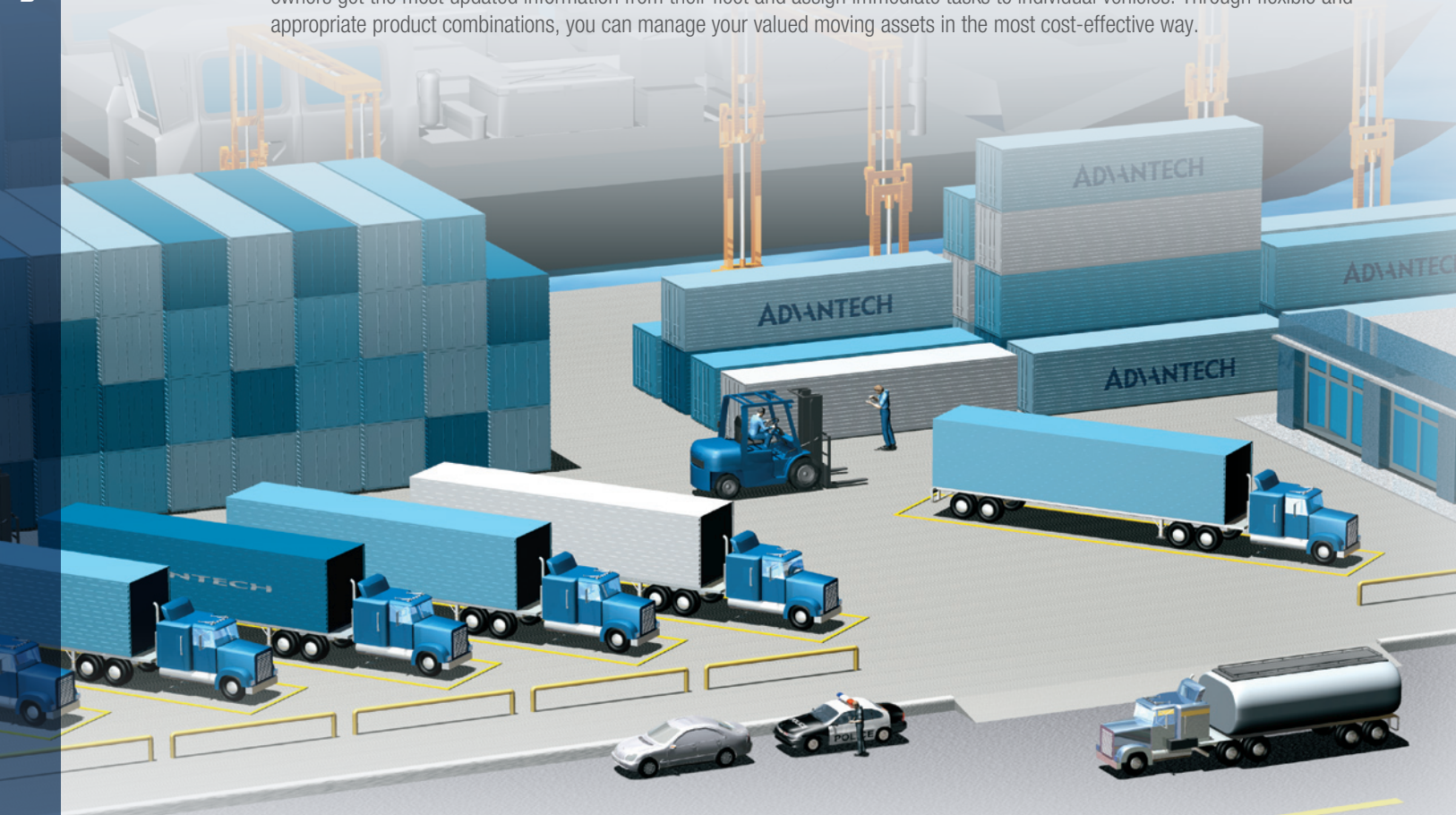
Trusted ePlatform Services

ADVANTECH

www.advantech.com

Managing Your Mobile Resources in the Most Cost-Effective Way

No matter how many vehicles you have and whatever your needs are, Advantech Vehicle Computing & Fleet Management solutions provide industrial-grade vehicle mounted computers, portable computers, and machine to machine (M2M) modules for different applications. By providing real-time information and integrating various I/O demands in vehicles, we can help fleet owners get the most updated information from their fleet and assign immediate tasks to individual vehicles. Through flexible and appropriate product combinations, you can manage your valued moving assets in the most cost-effective way.



Full Range of Product Lines to Fulfill Your Needs



Vehicle Mounted Computers

The full product family serves comprehensive data processing needs. The rugged enclosure has no ventilation holes so that the front and back panels can withstand dust and water penetration. Wireless LAN (IEEE 802.11b/g), GPS, GSM/GPRS modules can be integrated into our computing platforms for real-time data exchange, navigation, and communications.



Industrial Tablet PC

Built with durability and stability in mind to sustain itself in the toughest of environments, the Advantech Industrial Portable Computing, MARS series, is the ideal solution to capture, process, and transfer data according to your specific business requirements.



Rugged Handheld Terminal

Designed as a compact handheld mobile terminal, the MARS-1030 is equipped with an Intel XScale PXA255 400MHz processor and WinCE 4.2 operating system, which provide the highest in performance.

➤ Three Target Applications for Specific Users

Different industries have different needs. Advantech now targets fleet management, law enforcement, and logistics & warehousing applications. No matter what industry you are in, our innovative solutions can help you drive productivity and reduce costs.



Fleet Management

Driving down costs to remain competitive can be demanding at any level in your company, especially in the face of increased fuel and insurance costs. Advantech's fleet management solution gives you complete visibility and control of your moving assets, even when they are on the road. By sending reports at pre-defined regular intervals or alarms when a defined threshold has been breached, fleet operators get both real time and historic information empowering them to locate, track and manage data, routes, loads and other key metrics. The most important thing fleet management solutions provide is to help fleet operators optimize their operations and even maximize the efficiency of their vehicles.



Law Enforcement

Technology has transformed the way of law enforcement & public safety applications. Report management systems have streamlined report taking, information retrieval, and crime mapping. Mobile data terminals have given officers the ability to access information from state and local data centers from their vehicles. Officers in the field are capable of retrieving motor vehicle, license, and warrant information in a much shorter time period. In-car video systems is another valuable tool. The new digital video technology has been proven to bring great benefits to police agencies by enhancing officer safety, improving agency accountability and much more.



Logistics & Warehousing

A warehouse or distribution logistics center is a busy environment driven by deadlines. In addition to the demand for speed, comes the demand for accuracy in inventory collection. Advantech Logistics & Warehousing solutions provide you the ability to know where stock is, and how to move it correctly in the shortest time which helps to reduce touches in the warehouse and optimizes management operations. Designed to withstand harsh environments, including temperature variances, drops, dust and weather, Advantech rugged mobile computers enhance your service capabilities and lower your operating costs.



Machine to Machine Module

Aimed at fleet management applications, the VITA-350 offers a 16-channel GPS engine, GSM/GPRS module, RS-232, and Digital I/O ports to allow GPS location tracking, wireless data transmission and remote sensing and alarm notification. Advantech's M2M utility software provides the tools needed to integrate VITA-350's process and GPS data into third party or customers own GIS (Geographical Information System) programs.



Industrial DVR Platform

The Advantech DVR series is a user friendly digital video surveillance recorder system that can be controlled from the front panel or by a remote viewer and comes with a removable hard drive. The DVR series offers advanced recording features such as real-time recording and playback, and remote viewing via the Internet.



Complete Mounting Accessories

Advantech vehicle mounted computers have been designed to be slim and compact, enabling them to be installed in all kinds of working environments and applications. Integrated mounting holes and features make any kind of mounting option a breeze. In addition, we provide customized services to support clients diversified integration needs.

Real-time and Accuracy in Logistics and Warehousing

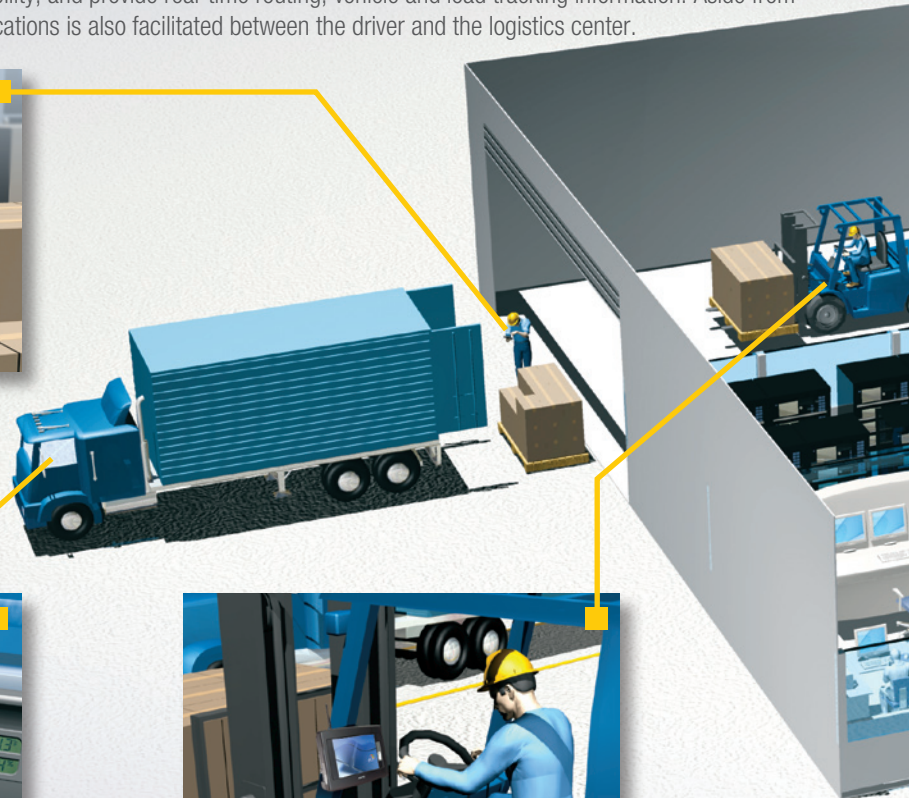
> Introduction

Today's logistics and warehousing managers are pursuing increases in productivity and accuracy throughout the supply chain from the manufacturing site to the store shelf and field services. Real-time data collection to track and trace goods enhances the efficiency of warehouse receiving, picking, put-away and shipping processes. Compared to traditional paper-based processes, intelligent logistics can decrease errors caused by hand-keyed data entry mistakes and increase cycle time efficiency. Delivery operations are able to increase routing flexibility, and provide real-time routing, vehicle and load tracking information. Aside from monitoring and tracking, two way communications is also facilitated between the driver and the logistics center.



MARS-1030

Manage inventory and order picking with RFID reader or bar code scanner



TREK-743; MARS-3100; MARS-1030

Pick up, real-time delivery tracking, asset tracking, dispatch instruction, driver communication and fleet management with WWAN and GPS, GSM/GPRS enabled mobile computers



TREK-775/776; MARS-3100

Cross docking, shipping and receiving materials with TREK/MARS on a forklift with RFID or a barcode scanner

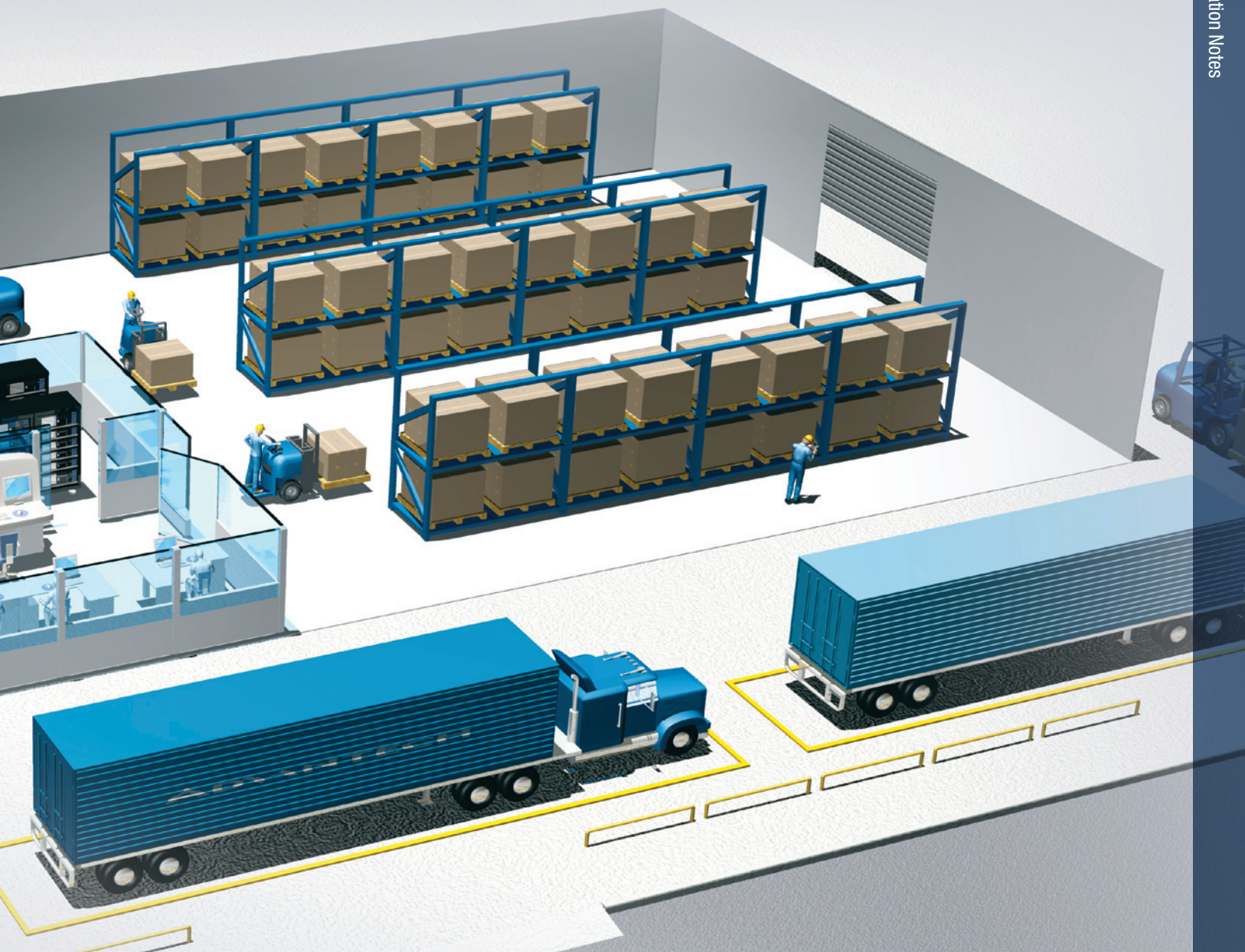
> Solution

The Advantech TREK and MARS series provide you with timely and accurate delivery and plant utilization, lower inventory cost and better customer service.

The MARS-1030 is a compact handheld mobile terminal integrated with WLAN and tag readers such as 1D, 2D scanners and RFID readers. It can manage inventory and order picking in real time with secure data capture.

The TREK-776 has a rich variety of optional wireless and wide area network modules for real-time communication and data capture in warehouses, freezers, docks or container yards.

The MARS-3100 is ruggedized and resists shock and vibration safeguarding data when you are on the move. The entire chassis is fully sealed to IP54 specifications to prevent water and dust damage in outdoor applications. In addition, the optional built-in WLAN, Bluetooth and GSM/GPRS/EDGE modules facilitate data transfer and communication.



► Benefits

- Reduce delivery cycle time and overall operating cost
- WLAN enabled to connect seamlessly to ERP & WMS system applications
- Improve the accuracy and productivity of customer order fulfillment
- In- transit visibility with real-time information and two way communications

Fleet Management System for Taiwan Coaches

> Introduction

Taiwan's buses and coaches are privatized and many operators run thousands of routes across the country every day. To manage the ever-increasing number of vehicles, operators need a reliable, low-maintenance Fleet Management System (FMS). This unique system helps coach operators by serving information from a constantly updating GPS location device that integrates with the back-end Geographical Information System (GIS) server.

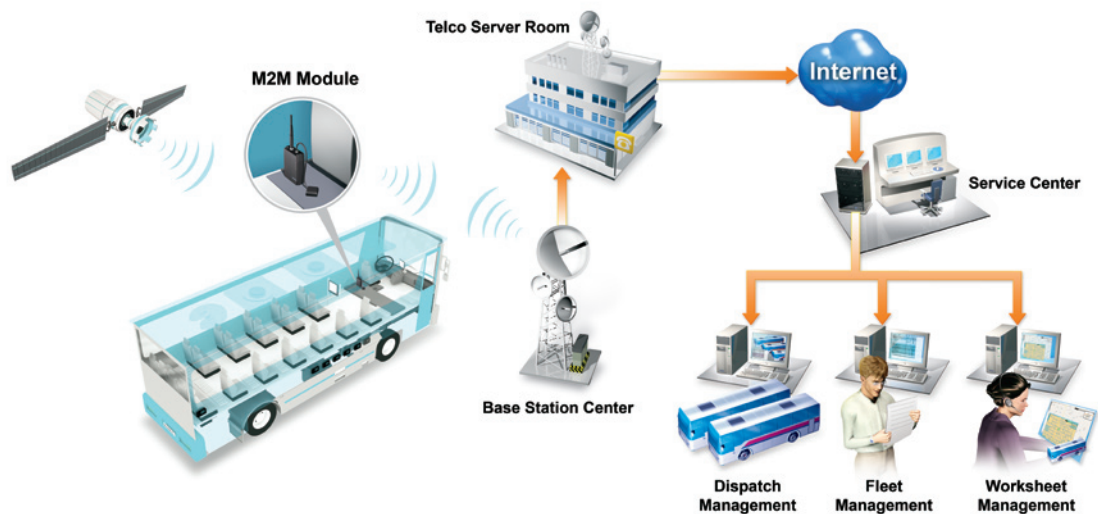


> Solution

A large coach operator made a request for a Fleet Management System, and Advantech, along with Taiwanese GIS integrator Majorsoft, quickly formed an alliance to work out a solution based on Advantech's VITA-350 compact M2M fleet management system. By integrating advanced technologies such as GPS (global satellite positioning), GSM/GPRS mobile communication, and GIS, VITA-350 is able to provide fleet monitoring and dispatching services using GPS positioning data throughout the GPRS mobile network in Taiwan. To further enhance their Fleet Management service, Majorsoft acts as an application service provider offering a total solution with services such as dispatch, safety monitoring, fleet management and web based GIS (Geographical Information System) software for fleet operators.

> System Diagram

The VITA-350 is a RISC-based platform with multi-threaded engine designed for optimal performance. It provides GPS and tri-band GSM/ GPRS connectivity with other mobile and automation devices in truck fleets and other transports. Aimed at Fleet Management, the VITA-350 provides a 16-channel GPS engine, RS-232 and programmable Digital I/O ports to allow GPS location tracking, wireless data transmission and remote sensing and alarm notification. With the M2M utility software, the VITA-350 integrates GPS location and vehicle status data with Majorsoft's GIS data for a total Fleet Management System Solution.



> Benefits

- Along with a real-time web-based GIS fleet status monitoring system, the VITA-350 can transmit real-time information on longitude, latitude, timing, slope, date, and temperature for analyzing current location and vehicle status.
- Report frequency can be in seconds or minutes to maximize cost effectiveness.
- Comprehensive map view for fleet management, including location, direction, speed, stop & idle, geo-fencing, exception alerts, and other more customized features.
- Operators can easily track their vehicles; fewer operators are needed, and less effort is required to monitor and administer the whole system.

Advanced Two Way Fleet Management

> Introduction

Trying to effectively dispatch, track and control a dispersed fleet of vehicles and workers can be a daunting task. Fleets are willing to adopt tracking technology to monitor their vehicle operations and locations. The most common reasons cited for using vehicle tracking: productivity, security, customer service, fuel management, asset management, health & safety and legislative compliance. An advanced two-way communication fleet management system can increase profitability, reduce operating costs, and increase productivity of service and delivery businesses by having access to real-time information. It can provide dispatchers and customers near real-time information on the location and status of all assets and drivers. Dispatchers can directly communicate with drivers for efficient and quick route and schedule changes, additional pick-ups, stops made, and to be alerted to emergency situations, which minimizes wasted time and resources. With drivers on the road for extended periods of time, it is imperative to be able to communicate with them as needed.



> Solution

The TREK-743 is an embedded system featuring one-piece design and a 7" integrated color TFT-LCD display with touchscreen, with a choice of Windows® CE 5.0 or Windows® XP. Mounting and cabling is clean and simple, and the compact design provides a friendly interface in vehicles with limited space, which allows drivers to utilize the advanced computer in their daily work. The TREK-743 mobile data terminal provides reliable two-way data communications between the central dispatch office and its drivers via the quad band GSM/GPRS network and its 7" brightness display.

> System Diagram



> Benefits

- Increased driver safety
- Stop unauthorized vehicle use
- Reduced overtime, billing errors and fuel bills
- Real-time tracking and dispatch to improve utilization of vehicles

Vehicle Computing Solution in Law Enforcement

> Introduction

Technology has transformed law enforcement and public safety applications. Report Management Systems have streamlined report taking, information retrieval, and crime mapping. Mobile Data Terminals have given officers the ability to access information centers and view state and local data from their vehicles. Officers in the field are capable of retrieving motor vehicle, license, and warrant information in a much shorter time period. Calls for service are dispatched more effectively through computer aided dispatch systems. One of the new tools in law enforcement is in-car video systems inside police cars to enforce crime fighting efficiency.

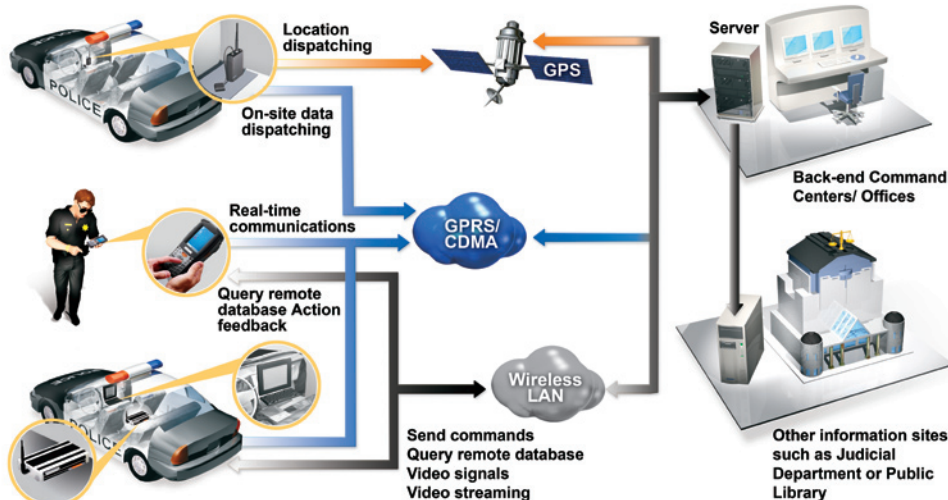


> Solution

Advantech Vehicle Computing Solutions provide a broad-range of products from M2M devices with GPS and rugged Vehicle Mounted Computers, to industrial grade tablet PC's and mobile Digital Video Systems. For this specific requirement in law enforcement, Advantech provides a complete in-vehicle video solution—the DVS-355, a Vehicle Mounted Computer with wireless capability, so officers can record images and have real-time access to database information and GPS mapping systems. With MPEG video compression, the DVS-355 allows daily operations to be easily recorded. In addition, with special anti-dust and anti-shock features, it is an ideal in-vehicle product for this kind of environment. And, with the ES-2210 sunlight readable touch panel, officers have a simple and easy user interface.

> System Diagram

The DVS-355 is the ideal platform for in-vehicle computers powered by Intel Core Duo processors and law enforcement software. The rich I/O interface and the COM and USB ports, make it easy to integrate with peripherals like radar, sirens, communication systems, etc. The CardBus slot can be used with special mobile cellular cards to connect the DVS-355 to the network. The integrated digital video supports 2-channel video, and D1 resolution at 60 fps which can be used for license plate recognition or as a general in-car video recording system.



> Benefits

- Integrated digital video, wireless and GPS/GPRS technology, bringing new and different solutions to the world of law enforcement to enhance safety and improve agency accountability
- Provides improved Community/Media perception and enhanced officer performance and professionalism
- Faster prosecution/case resolution
- Service calls are dispatched more effectively

Rugged Handheld Application in Law Enforcement

> Introduction

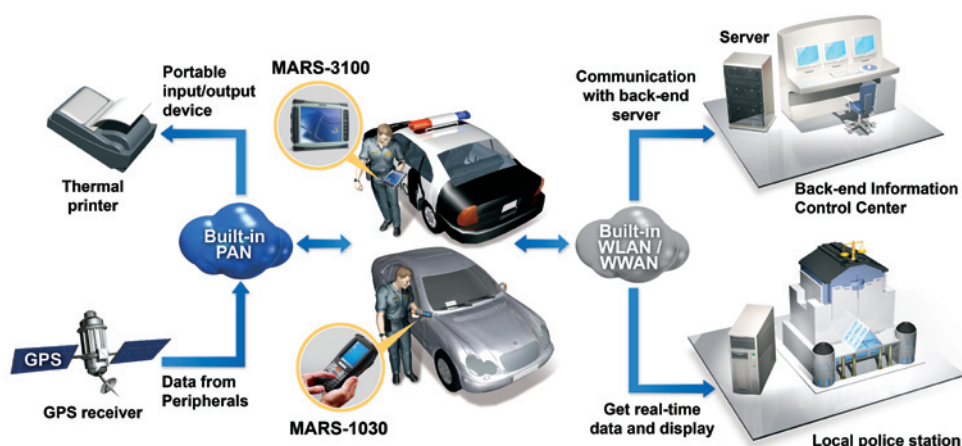
Today, quicker response and faster information management in law enforcement and public safety has become a very serious issue. Officers often need to check information such as ID number, drivers license or other personal information; anytime and anywhere. Traditional paper work is not able to handle this volume of information as it is too slow and inefficient. Nowadays, IT solutions have become increasingly popular, allowing the use of computer technology to help officers handle this kind of data management. Assisted by computer, an officer in the field can get information in a shorter time period. In addition, advanced technology can protect computers from rain, dust, and shock damage.



> Solution

Advantech's Portable Computing Solution, the MARS series, provides officers in the field the ability to have real-time data management unencumbered with power lines. All MARS series products are battery powered which gives an officer the mobility to use a computer without boundaries. An Industrial Tablet PC, the MARS-3100 series, comes complete with all communication technologies, like Wireless Wide Area Network (WWAN), Wireless Local Area Network (WLAN) and Personal Area Network (PAN). Based on these features, an officer can get up-to-date data and deliver the latest information to the control center. The 10.4 inch display with "Duo-mode Touch" screen can be read and operated easily, and the "digitizer" provides an authentic digital signature. Also, the industrial handheld device, the MARS-1030 series, has a barcode / RFID reader for special data identification purposes. Both the MARS-3100 and the MARS-1030 are designed in a rugged housing, the IP54 rating and protection mechanism providing a 3 to 5 foot drop without damage.

> System Diagram



> Benefits

- High reliability and stable computing power qualified for critical missions
- Easy data entry and query
- Supports WWAN and GPS, back-end center can arrange resources more efficiently
- High reliability for harsh environments
- Rich communication
- More accurate resource allocation



TREK Selection Table



Model Name		TREK-775	TREK-775 Freeze resistant model
Processor		Onboard Intel ULV Celeron M 600 MHz / LV Pentium M 1.1 GHz	
2nd Cache Memory (L2 cache)		Celeron M 512k cache / Pentium M 1 MB cache	
OS		Supports Windows 2000/XP; Windows CE.NET; Windows XP Embedded and Linux compliant	
Memory	Size	Up to 2 GB DDR SDRAM	
	Module Type	184 pin DIMM x 2	
Storage		One internal CompactFlash type I/II socket for CF card or one IDE interface for HDD	
Graphics	Size/Type	10.4" TFT LCD	
	Max. Resolution	800 x 600	
	Max. Colors	256 K or above	
	Brightness (cd/m2)	400	
	Viewing Angle (degrees)	140/110	
VGA	Backlight MTBF	50,000 hrs.	
	Chipset	Intel 855GME	
	VRAM	64 MB (SMA)	
Touchscreen	Technology	Analog Resistive	
	Control Port	USB	
Brightness Control		Brightness control buttons	
I/O Ports		2 x RS-232 (COM1, COM2) 2 x RS-232/422/485 (COM3, COM4) 2 x USB v2.0, 1 x PS/2 KB, 1 x PS/2 Mouse	
Expansion		One Mini PCI Type III A/B slot	
		PCMCIA Type II x 2 / III x 1	
Network (LAN)		10/100 Base-T Ethernet	
Optional Modules		IEEE 802.11b/g, GPS, Quad band GSM/GPRS	
Power		9 ~ 58 Vdc	
		AC-to-DC adapter (optional)	
Operating Temperature		0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 140° F)
Certificate		UL, CE, FCC Class B, CCC, CSA	
Dimensions (W x H x D)		310 x 255 x 80 mm (12.20" x 10.04" x 3.15")	
Weight		3.8 kg (8.38 lb)	



TREK-776	TREK-776 Freeze resistant model	TREK-743
Onboard Intel ULV Celeron M 600 MHz / LV Pentium M 1.1 GHz		Onboard AMD LX800 500 MHz
Celeron M 512k cache / Pentium M 1 MB cache		128 KB
Supports Windows 2000/XP; Windows CE.NET; Windows XP Embedded and Linux compliant		WinCE 5.0; Windows XP Embedded
Up to 2 GB DDR SDRAM		Up to 1 GB DDR SDRAM
184 pin DIMM x 2		200 pin SODIMM x 1
One internal CompactFlash type I/II socket for CF card or one IDE interface for HDD		One internal CompactFlash type I/II socket for CF card
12.1" TFT LCD		7" TFT LED LCD
1024 x 768		800 x 480
256 K or above		262 K
450		400
160/160		140/120
50,000 hrs.		Min. 10,000 hrs.
Intel 855GME		AMD LX800
64 MB (SMA)		32 MB
Analog Resistive		Analog Resistive
USB		RS-232 (COM3)
Brightness control buttons		Brightness control buttons
2 x RS-232 (COM1, COM2) 2 x RS-232/422/485 (COM3, COM4) 2 x USB v2.0, 1 x PS/2 KB, 1 x PS/2 Mouse		3 x USB v2.0, 2 x RS-232/422/485, 1 x CAN, 4 x DI/DO
One Mini PCI Type III A/B slot		One Mini PCI Type II A/B slot
PCMCIA Type II x 2 / III x 1		-
10/100 Base-T Ethernet		10/100 Base-T Ethernet
IEEE 802.11b/g, GPS, Quad band GSM/GPRS		IEEE 802.11b/g, GPS, Quad band GSM/GPRS
9 ~ 58 Vdc		9 ~ 36 Vdc
AC-to-DC adapter (optional)		-
0 ~ 40° C (32 ~ 104° F)	-30 ~ 60° C (-22 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)
UL, CE, FCC Class B, CCC, CSA		UL, CE, FCC Class B, CCC, CSA
310 x 255 x 90 mm (12.20" x 10.04" x 3.54")		255 x 160 x 50 mm (10.04" x 6.30" x 1.97")
4.8 kg (10.58 lb)		1.7 kg (3.7 lb)



MARS Selection Table



Model Name		MARS-1030 Numeric Keypad Version	MARS-1030 Full Keypad Version	MARS-1031 Numeric Keypad Version	MARS-1031 Full Keypad Version
Processor		Intel Xscale PXA255 400 MHz		Intel Xscale PXA270 520 MHz	
OS		Supports Windows CE .NET 5.0 Professional			
Memory		128 MB SDRAM		64 MB NAND flash	
Storage		128 MB NAND flash			
Graphics	Size/Type	3.5" transfective TFT LCD			
	Max. Resolution	240 x 320			
	Max. Colors	256 K			
	Viewing Angle (degree)	50/50			
	Touchscreen	4-wire resistive			
VGA	Chipset	nVidia 2D graphic accelerator			
	RAM	Internal 256 KB SRAM			
Brightness Control		Software control or hotkey control			
I/O Port		DC-in jack; LIF connector (supports RS-232, USB v1.1 host/client)			
Keypad & Button	Keypad	16 Alphanumeric keys	44 Alphanumeric keys	16 Alphanumeric keys	44 Alphanumeric keys
	Button	Power button; Three barcode scanner buttons; Four application buttons; Application hotkey (programmable); Four buttons for navigation (left, right, up, down)			
Expansion		1 x CF type II slot or PCMCIA slot; 1 x SD/MMC slot			
Audio	Speaker	mono speaker			
	Microphone	-			
	Earphone	2.5 mm stereo earphone jack with microphone			
LED Indicator		1 x triple-color LED for charger indicator and alarm notification; 1 x bi-color LED for scanner indicator			
Wireless Module	WLAN	802.11b (Optional)		802.11b/g (Optional)	
	Bluetooth	Bluetooth v1.2 (Optional)			
	WAN	Tri-band GSM/GPRS (Optional)			
Add-on Module		1D Barcode scanner (Optional); 2D Barcode scanner (Optional)			
Power	Battery	Li-ion battery pack 3.7 V, 3000 mAh			
	Battery Life	8 hours			
	Charging Time	4 hours			
	Adapter	Auto-switching 100 ~ 240 V AC, 50/60 Hz input; 5 V DC 2.6 A output			
Operating Temperature		-10 ~ 50° C (14 ~ 122° F)			
Storage Temperature		-20 ~ 70° C (-4 ~ 158° F)			
IP Rating		IP54		IP65	
Drop Rating		5 ft free drop to concrete			
Certificate		UL/cUL, CE, FCC Class B			
Dimensions (L x W x D)		192.5 x 91.3/78 x 42.2/60.6 mm (7.58" x 3.6"/3.7" x 1.66"/2.39")	220 x 91.3/78 x 42.2/60.6 mm (8.66" x 3.6"/3.7" x 1.66"/2.39")	192.5 x 91.3/78 x 42.2/60.6 mm (7.58" x 3.6"/3.7" x 1.66"/2.39")	220 x 91.3/78 x 42.2/60.6 mm (8.66" x 3.6"/3.7" x 1.66"/2.39")
Weight		560 g with standard battery	660 g with standard battery	560 g with standard battery	660 g with standard battery



Model Name		MARS-3100R	MARS-3100R with Sunlight Readable Solution	MARS-3100S
Processor		Intel Core Duo Ultra Low Voltage U2500 @ 1.2 GHz		AMD LX800 500 MHz
OS		Supports Windows XP compatible		Supports Windows XP Embedded
Memory		1 GB DDR2 533, 200-pin SODIMM		512 MB DDR 400, 200-pin SODIMM
Storage		Default 2.5" 40 GB shock mounted HDD		Default 4 GB CF for storage
Graphics	Size/Type	10.4" TFT LCD		10.4" TFT LCD
	Max. Resolution	XGA, 1024 x 768		SVGA, 800 x 600
	Max. Colors	256 K		256 K
	Viewing Angle (degree)	50/90		120/100
	Touchscreen	Dual mode, digitizer and resistive touchscreen	Dual mode, digitizer and resistive touchscreen with sunlight readable solution	Resistive touchscreen
VGA	Chipset	Intel 945GME chipset		AMD CS5536 chipset
	RAM	64 ~ 224 MB shared memory		8 ~ 254 MB shared memory
Brightness Control		8-level brightness by software control		-
I/O Ports		RS-232; Two USB v2.0; 15-pin D-Sub for VGA out; RJ-45 jack for 10/100 Ethernet; DC in jack		RS-232; USB v2.0; 15-pin D-Sub for VGA out; RJ-45 jack for 10/100; Ethernet; DC in jack
Keypad & Button	Button	Power button; Logon button; Rotation key (for display); WLAN ON/OFF button; Three application hotkeys (programmable); 5-way navigation buttons (left, right, up, down, enter)		
Expansion		1 x internal MiniPCI for WLAN		
Audio	Speaker	Mono speaker		
	Microphone	3.5 mm microphone jack		
	Earphone	3.5 mm headset jack		
LED Indicator		1 x Power LED; 1 x Charging LED; 1 x HDD status LED; 1 x WLAN ON/OFF LED		
Wireless Module	WLAN	802.11a/b/g		802.11a/b/g
	Bluetooth	Bluetooth V2.0/EDR module		Bluetooth V2.0/EDR module (Optional)
	WAN	GSM/GPRS (Optional); EDGE (Optional); CDMA (Optional); EVDO (Optional); UMTS (Optional)		
Add-on Module		SiRFIII GPS module; Smart card reader; 1.3 Megapixel Autofocus CMOS camera; Fingerprint scanner		
Power	Battery	Warm-swappable 11.1 V @ 3600 mAh Li-ion battery pack		
	Battery Life	2.5 ~ 3.5 hours		
	Charging Time	2.5 hours to 90%		
	Adapter	Auto-switching 100 ~ 240 V AC, 50/60 Hz input 19 V DC 3.16 A output		
Operating Temperature		-10 ~ 55° C (14 ~ 131° F)		0 ~ 50° C (32 ~ 122° F)
Storage Temperature		-40 ~ 60° C (-40 ~ 140° F)		-40 ~ 60° C (-40 ~ 140° F)
IP Rating		IP54		
Drop Rating		3 ft free drop to steel during operation		
Certificate		UL/cUL, CE, FCC Class B, CB		
Dimensions (L x W x D)		299 x 224 x 37 mm (11.77" x 8.82" x 1.46")		
Weight		2.1 kg (4.63 lb) with standard battery		



VITA Selection Table



Model Name		VITA-350E	VITA-350PE	TREK-702E
Processor		Marvell PXA 255 @ 200 MHz	Marvell PXA 255 @ 200 MHz	-
OS Support		WinCE 4.2	WinCE 4.2	-
Memory	Size	128 MB	128 MB	-
	Module Type			-
Storage		Onboard SDRAM & Flash	Onboard SDRAM & Flash	-
Display	Size/Type	-	-	5.7"
	Max. Resolution	-	-	320 x 240
	Max. Colors	-	-	256K
	Viewing Angle (degrees)	-	-	V:120°; H:140°
	Touchscreen	-	-	-
VGA	Chipset	-	-	-
	RAM	-	-	-
Brightness Control		-	-	PWM mode
I/O Ports		9 x DI/O, 1 x RS-232	3 x DI/O, 1 x RS-232, 1 x LVDS	1 x LVDS
Keypad & Button		Reset button	Reset button	Power switch
Expansion		up-to 4G SD card	up-to 4G SD card	-
Audio	Speaker	-	-	2 Watt
LED Indicator		Green: Power; Red: GPS; Blue: GPRS; Orange: Error	Green: Power; Red: GPS; Blue: GPRS; Orange: Error	Red: Power on
Wireless module	GPS	Yes	Yes	-
	GPRS	Yes	Yes	-
Add-on Module (Optional)		SD daughterboard	SD daughterboard	-
Power	DC inputs	12V/24V	12V/24V	3.3V/5V
Operating Temperature		-15 ~ 65° C (5 ~ 149° F)	-15 ~ 65° C (5 ~ 149° F)	TBD
Storage Temperature		-15 ~ 65° C (5 ~ 149° F)	-15 ~ 65° C (5 ~ 149° F)	TBD
IP Rating		-	-	-
Drop Rating		Federal Standard 101 Method 5007 Testing procedure B	Federal Standard 101 Method 5007 Testing procedure B	Federal Standard 101 Method 5007 Testing procedure B
Certificate		CE, FCC, NCC, E-Mark, ISO-7637	CE, FCC, NCC, E-Mark, ISO-7637	CE, FCC
Dimensions (W x H x D)		121.3 (W) x 83.01 (D) x 30 (H) mm	121.3 (W) x 83.01 (D) x 30 (H) mm	168.55 (W) x 128.05 (D) x 36.3 (H) mm
Weight		170 (g)	175 (g)	1 (Kg)



DVS Selection Table



Model Name	DVS-350	DVS-355
Form Factor	Rugged Mobile Platform	Rugged Mobile Platform
Process System	Pentium M	Core Duo Mobile
Video Input	4 - 16 Channel	6 Channel
Video Encoding	MPEG 4 SW Compression	MPEG 4 SW Compression
Video Performance	120/100 fps	60/50 fps
I/O Interfaces	USB, Card bus, DIO, COM, WLAN, VGA, TV-OUT	USB, Card bus, COM, WLAN, DVI, VGA
Storage	1 x 2.5" HD	1 x 2.5" HD
Dimensions	232 x 138.4 x 65 mm (9.13" x 5.43" x 2.56")	232 x 138.4 x 65 mm (9.13" x 5.43" x 2.56")
Software Development Kits	Supports Windows XP DVP Suite SDK with Sample program and C++ Source code	
Temperature	0 ~ 60° C (32 ~ 140° F)	-15 ~ 60° C (5 ~ 140° F)

Regional Service & Customization Centers

China
Kun-Shan
86-512-5777-5666

China
Dongguan
86-769-731-6060

Taiwan
Taipei
886-2-2792-7818

Netherlands
Eindhoven
31-40-267-7000

USA
Milpitas, CA
1-408-519-3891

Worldwide Offices

Greater China

China

Beijing	86-10-6298-4346
Shanghai	86-21-6294-9911
Chengdu	86-28-8545-0198
Shenzhen	86-755-8212-4222
Hong Kong	852-2720-5118

Taiwan

Taipei Neihu	886-2-2792-7818
Taipei Shing-Tien	886-2-2218-4567
Taichung	886-4-2378-6250
Kaohsiung	886-7-229-3600
Hsinchu	886-3-518-9320

Asia Pacific

Singapore 65-6442-1000

Malaysia

Kuala Lumpur	60-3-5621-0602
Penang	60-4-397-3788

Japan

Tokyo	81-3-5212-5789
Osaka	81-6-6267-1887

Korea

Seoul	82-2-3663-9494
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Thailand

Bangkok	66-0-2919-4991
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India

Bangalore	91-80-2337-4567
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Australia

Sydney	61-2-9482-2999
Melbourne	61-3-9521-0266

Europe

Germany

Düsseldorf	49-211-97477-0
München	49 89-12-599-0

France

Paris	33-1-4119-4666
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Hungary

Budapest	36-1-264-3333
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Italy

Milan	39-02-9544-961
Arezzo	39-0575-986672

Benelux & Nordics

Roosendaal	31-165-550505
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UK

Berkshire	44-1344-989500
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Americas

USA

Cincinnati, OH	1-513-742-8895
San Diego, CA	1-760-918-9288
Irvine, CA	1-949-789-7178

Brazil

Sao Paulo	55-11-5592-5355
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