VC-3600 | Intel Core i7-3517UE, WiFi/LTE/3.5G/Bluetooth/GPS In-Vehicle Computer

▌ Introduction

VC-3600 is in-vehicle computer for specially use in Motorcade, Freight vehicles,Bus and Taxi. With more functions of the flexible scalability, like 3.5G, WIFI, GPS, Bluetooth .etc and wide temperature design of -40~70ºC , Regarding the vehicle power management system (Power Ignition and off, Delay on/off control), it can prevent the damage of surge, electric noise of the damage system impact, and effectively protect the system from damage of vehicle emergency power off. VC-3600 GPS support navigation speculation technique, even if the vehicles run in the tunnel, the control center can also pinpoint its location.

▌ Features

- Intel Core i7-3517UE 1.7GHz with HD 4000 GPU
- Wireless support LTE, 3.5G w/ Dual SIM Card, WLAN, GPS Dead Reckoning & G-Sensor, GSM/GPRS, Bluetooth
- 9V-32V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- Support Dual Hot Swappable SATA Storage
- Support 1 x CAN Bus 2.0B (Optional)
- 4 Channel D1 Resolution @120fps for Analog Cameras (Optional)

▌ Applications

- Fleet Management
- Healthcare
- Warehousing
- Logistics Express
- Special Vehicle

▌ Specification

Hardware System	CPU	- Intel Gen 3 Core i7-3517UE 1.7GHz - Intel Gen 3 Core i3-3217UE 1.6GHz - Intel Celeron 1047UE	Mechanical	Construction Mounting Weight Dimensions	- Aluminum alloy - Wall-mount, VESA-mount - 1.78 kg (bare-bone) - 250 x 150 x 55 mm

	Memory	- 1 x DDR3 1066/1333/1600 MHZ
		  SO-DIMM up to 8 GB
			Environmental	Operating Temp.
				Storage Temp.
				Relative Humidity
				Vibration (random)
				Vibration Operating
					- -40~70ºC (SSD), ambient w/ air
					- -40~80ºC
					- 10~95%@40ºC (non-condensing)
					- 2.5g@5~500 Hz with SSD
					- MIL-STD-810F, Method 514.5,
					  Category 20, Ground Vehicle-Highway

	Chipset	- Intel QM77			
	Graphics	- Intel® HD Graphics 4000			
	ATA	- 2 x Serial ATA 2.0 Ports			
	LAN Chipset	- Intel I210-AT Gb/s Ethernet Controllers			
	Watchdog	- 1~255 Level Reset			
Power Requirement	Power Input	- 9~32V DC Power Input		Truck Storage	- MIL-STD-810F, Method 514.5, Category 24, Integrity Test
	Power Management	- Vehicle Power Ignition for Variety Vehicle			

	Power Off Control	- Power off Delay Time Setting by Software,
		  Default is 5 Mins
				Shock	- Operating: MIL-STD-810F,
					  Method 516.5, Procedure I, Trucks
					  and semi-trailers=40G(11ms),
					  Non-Operating 80G with SSD

	Backup Battery	- Internal Battery Kit for 10 Mins Operating (Optional)			

Storage	Type	- 2 x 2.5" drive bay for SATA Type Hard
		  Disk Drive / SSD
				Crash Hazard	- MIL-STD-810F, Method 516.5,
					  Procedure V, Ground equipment=100g

I/O Ports	Serial Port	- 1 x RS-232 - 1 x RS-232/422/485 (Auto Direction Control)
	USB Port	- 4 x USB 3.0 - 1 x USB 2.0
	LAN	- 4 x RJ45 Ports for GbE
	Video Port	- 1 x DVI - I + VGA Connectors on Rear I/O - 1 x DP Port Connector on Rear I/O Support Dual Independent Display
	GPIO Port	- 4 in and 4 out
	Audio	- 1 x Line-out - 1 x Mic-in (Line-in optional) - 3 x Mini-card Slots
	Expansion Bus	- 2 x SIM Card Socket
Software Qualification	Operating System	- Windows XP Pro, Windows 7
	Certifications	- CE, FCC Class A, eMark Compliance

Order Information	Part Number	Description
	VC- 3600-B00X	Intel Gen3 Core i7 CPU 1.7GHz with HD 4000 GPU On-Board Computer
	VM-705W	7"(16:9) In-Vehicle Display with Touch Screen, USB Interface, 400nits, 9~32V DC Power Input, VESA Mounting
	VM-800W	8"(16:9) In-Vehicle Display with Touch Screen, USB Interface, 400nits, 12V DC Power Input, VESA Mounting
	VM-102W	10.2"(16:9) In-Vehicle Display with Touch Screen, USB Interface, 400nits, 9~32V DC Power Input, VESA Mounting
	VM-121H	12.1"(4:3) Ultra-Grade In-Vehicle Display with Touch Screen, USB Interface, 1000nits, 9~32V DC Power Input, VESA Mounting

▌ Input/Output Ports

A: SMA Antenna
B: Mic_in
C: Line_out
D: DI/DO
E:
F: COM1
G: COM3

H: COM2
I: COM4
J: DP
K: DVI
L: VIDEO INPUT
M: DC Power Input
N: SMA Antenna

ABCDE FG H   I J KL   MN

A: SMA Antenna
B: SIM Card Socket
C: LAN1
D: LAN2
E: LAN3

F: LAN4
G: USB
H: USB
I: SIM Card Socket
J: SMA Antenna

A   B   C D E   F G H   I J

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