

# Quick Reference

## HARD facts...

Display compatibility			
Display support	DVI VGA with included DVI to VGA adapter HDMI with optional DVI to HDMI adapter ADC with optional DVI to ADC adapter		
Predefined video modes	130+		
Custom video modes	Read from display		
Maximum supported resolutions			
	VGA	DVI/ADC	Dual Display*
Overall	1920x1440	1920x1200	1280x1024 (x2)
At 32 bit	1600x1200	1920x1200	1024x768 (x2)
At 85 Hz	1600x1200	-	-
At 100 Hz	1280x1024	-	-
Hardware Specs			
Graphics Chip	Trident XP2		
Memory	32 MB 266MHz DDR		
Bus	CardBus 32bit		
Connectors	PC Card Type II, DVI-I (DVI-D and DVI-A compatible) and VGA (with included adapter)		
Dimensions	126 x 54 x 15 mm, 4.96 x 2.13 x 0.59 inch (without DVI to VGA adapter)		
Weight	Board only: 68 gr (2.4 oz) - Including adapter and case: 218 gr (7.7 oz)		
Electrical Specs			
Power Consumption	3W peak; approx 2W average; 0W sleep		
Minimum required voltage	2.98V (measured inside VTBook at peak power consumption)		
Impact on battery life	Reduced by about 4-8% when notebook runs on battery		
Environmental requirements			
Max Operating Temp Range	0 to 65°C inside the notebook 0 to 80°C inside VTBook		
Max Non Operating Temp Range	-20 to 65°C		
Max Humidity Range	5% to 95%		

## ... and soft facts

Software Specs					
	Mac OS 9.2.x	Mac OS 10.x	Win 2000	Win XP	Linux (beta)
2D Acceleration	Yes	Yes	Yes	Yes	Yes
3D Acceleration	-	Yes	Yes	Yes	-
DVD/Video Accel.	-	(1)	Yes	Yes	-
DualDisplay support*	-	-	Yes(2)	Yes	-
Hot Plug	Yes	(1)	Yes	Yes	-
Hot Unplug	Yes	(1)	-	Yes	-
Display Hot Plug	-	Yes	Yes	Yes	-
Adv. Power Manager	Yes	Yes	Yes	Yes	Yes
Panning Modes	Yes	-	-	-	-
Read monitor timings	Yes	Yes	Yes	Yes	-
Onboard scaler	Yes	Yes	-	-	-
Custom control panel	Yes	-	Yes	Yes	-
MultiDisplay Software	-	Yes	Yes	Yes	-
Portrait Video Modes	-	-	Yes	Yes	-
Languages	E,D,I,J	E,D,I,J	E,D	E,D	E

(1) Supported under certain circumstances. Please check the VTBook FAQ on [www.villagetronic.com](http://www.villagetronic.com) for more information  
(2) Only in Virtual DualDisplay mode

Supported resolutions		
In addition to predefined resolutions, VTBook can dynamically recognize nonstandard resolutions on any VGA or DVI display implementing the DDC2B standard.		
VGA only	DVI and VGA	DVI only
Color depth: 16bpp = Thousands colors 32bpp = Millions colors		

Predefined HDTV resolutions			
Resolution	Refresh Rate	Resolution	Refresh Rate
320x256i	PAL	720x483p	30 Hz
640x256i	NTSC		60 Hz
640x480i	60 Hz	720x576i	PAL
640x480p	24 Hz	768x576i	PAL
	30 Hz	960x720p	60 Hz
	60 Hz	1280x512i	PAL
640x512i	PAL	1280x720i	50 Hz
704x480i	60 Hz	1280x720p	24 Hz
704x480p	24 Hz		25 Hz
	30 Hz		30 Hz
	60 Hz		60 Hz
720x480i	60 Hz	1920x1035i	60 Hz
720x480p	24 Hz	1920x1080i	50 Hz
	30 Hz		60 Hz
	60 Hz	1920x1080p	24 Hz
720x483i	60 Hz		25 Hz
720x483p	24 Hz		30 Hz

All HDTV resolutions are available at 32bpp

System requirements - Macintosh	
O.S.	Mac OS 9.2.2/Mac OS X 10.2.8+
Hardware	PowerBook with a CardBus slot

System requirements - Windows	
O.S.	Windows 2000 or Windows XP Home/Professional
Hardware	Notebook with a PC Card Type II slot supporting CardBus

System requirements - Dual Display	
In addition to a standard Windows configuration, Dual Display requires:	
<ul style="list-style-type: none"> <li>A VTBook DualDisplay cable</li> <li>One VGA display</li> <li>One DVI display</li> </ul>	

Product codes	
VTBook	11080 (EAN: 4 033923 110804)
DVI to VGA adapter	11085 (EAN: 4 033923 110859)

Included accessories	
DVI to VGA adapter	
*Magic Box* Carrying Case	

Optional accessories	
VTBook DualDisplay cable	
Apple DVI to ADC adapter	

Online information	
<a href="http://www.villagetronic.com/e_pr_vtbook.html">www.villagetronic.com/e_pr_vtbook.html</a>	
*Requires the VTBook DualDisplay cable	

Predefined VESA and GTF std. resolutions					
Resolution	Refresh Rate	Max bpp	Resolution	Refresh Rate	Max bpp
512x384	60 Hz	32	1152x870	64 Hz	32
640x350	85 Hz	32		66 Hz	32
640x400	70 Hz	32		75 Hz	32
640x480	60 Hz	32		85 Hz	32
	67 Hz	32		100 Hz	16
	73 Hz	32	1280x720	75 Hz	32
	75 Hz	32		100 Hz	32
	85 Hz	32	1280x768	60 Hz	32
	100 Hz	32		75 Hz	32
	160 Hz	32		85 Hz	32
640x870	74 Hz	32	1280x800	60 Hz	32
720x400	70 Hz	32	1280x960	60 Hz	32
	85 Hz	32		75 Hz	32
	88 Hz	32		85 Hz	16
720x480	60 Hz	32		90 Hz	16
720x576	60 Hz	32		100 Hz	16
800x480	60 Hz	32	1280x1024	44i Hz	32
800x500	60 Hz	32		60 Hz	32
800x512	60 Hz	32		75 Hz	32
800x600	56 Hz	32		85 Hz	16
	60 Hz	32		100 Hz	16
	72 Hz	32	1344x840	60 Hz	32
	75 Hz	32	1400x1050	60 Hz	32
	85 Hz	32		75 Hz	16
	100 Hz	32		85 Hz	16
800x640	60 Hz	32	1440x900	60 Hz	32
832x624	75 Hz	32		75 Hz	16
	100 Hz	32	1440x1080	60 Hz	32
848x480	60 Hz	32		75 Hz	16
852x480	60 Hz	32		85 Hz	16
856x480	60 Hz	32	1600x1024	60 Hz	32
864x480	75 Hz	32		75 Hz	16
	100 Hz	32		85 Hz	16
960x600	60 Hz	32	1600x1200	48i Hz	32
1024x640	60 Hz	32		60 Hz	32
1024x768	43i Hz	32		65 Hz	16
	60 Hz	32		75 Hz	16
	70 Hz	32		85 Hz	16
	75 Hz	32	1792x1344	60 Hz	16
	85 Hz	32		67 Hz	16
	100 Hz	32	1856x1392	60 Hz	16
1024x800	60 Hz	32	1920x1080	60 Hz	16
1152x864	60 Hz	32		72 Hz	16
	72 Hz	32		75 Hz	16
	75 Hz	32	1920x1200	60 Hz	16
	100 Hz	32	1920x1440	60 Hz	16
			2048x1280	60 Hz	16

Predefined custom timing digital resolutions		
Resolution	Example Display	bpp
1024x768	Apple ADC 15" Studio Display	32
1280x1024	Apple ADC 17" Studio Display	32
1680x1050	Apple ADC 20" Cinema Display	32
1600x1024	Apple ADC 22" Cinema Display	32
1920x1200	Apple ADC 23" Cinema HD Display	32



VTBook

## Notebook Multiple Display Card

Space for Notebooks ...



... Space is Speed



## Connect your Cool Display(s)!

The VTBook line of products has been designed to offer the maximum flexibility to the true road warriors: we take special care in supporting the broadest set of resolutions, displays, projectors and televisions.

If you want to add one or more external displays to your notebook or portable computer, no matter which kind of display, try VTBook!

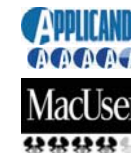
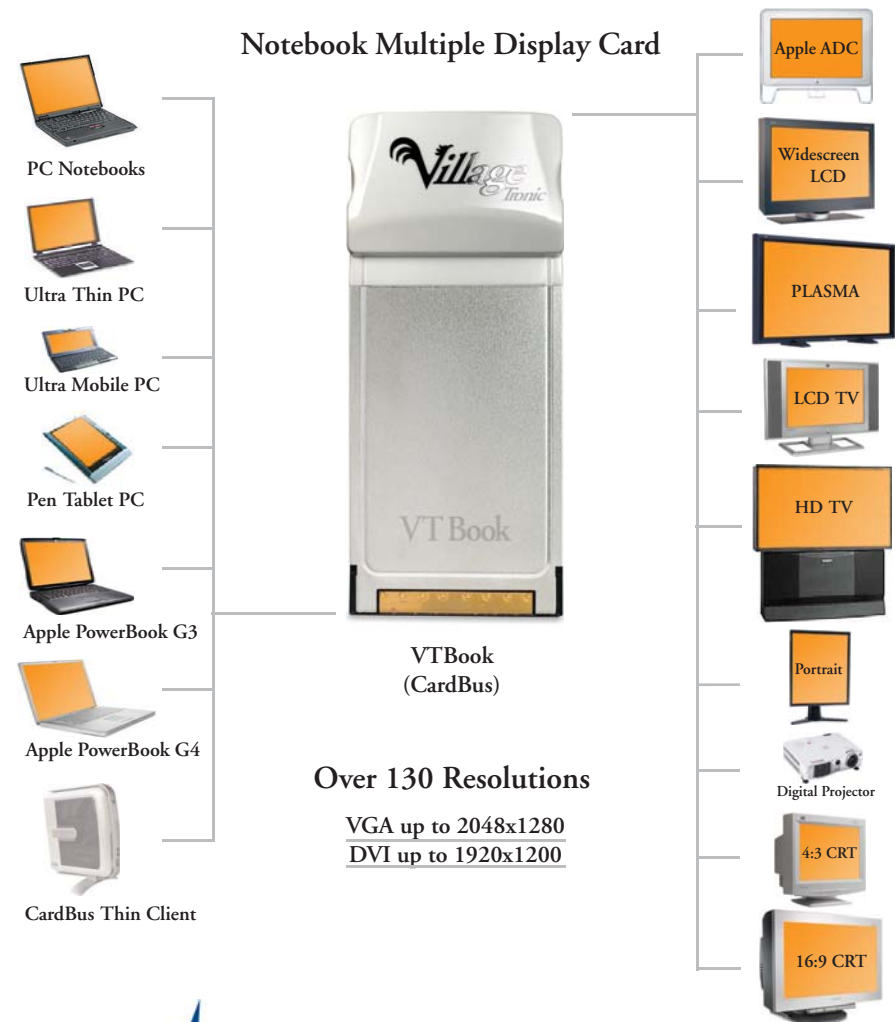
### VTBook Feature Highlights

- CardBus Interface:** Compatible with any CardBus compliant system
- 32MB DDR Memory:** Dedicated memory make VTBook a real graphics card
- OS Support:** Compatible with Windows 2000, XP; Mac OS 9, X; Linux
- Self Powered:** No external power supply for maximum portability
- Standard DVI-i connector:** Connects to DVI or VGA displays (with included adapter)
- DualDisplay Support:** DualDisplay accessory allows to simultaneously use one VGA and one DVI display on Windows systems
- Hardware acceleration:** Hardware accelerated 2D, 3D, Video, DVD
- Vast Resolution Support:** Over 130 resolutions
  - Analog up to 2048x1280
  - Digital up to 1920x1200

You can obtain solutions with 2, 3, or even 4 additional displays by mixing different products in the VTBook line on compatible systems: **Up to 6 displays on one notebook!**



## Powerful Connections!



# Improve your Multi Display Experience!

More screen real estate is a valuable asset, but can become difficult to manage: Village Tronic developed Windows and Macintosh utilities that help in getting the most from large (and very large) Multi Display configurations.

## VT MultiDisplay

(For Windows 2000 and XP, [www.villagetronic.com/vtmd/](http://www.villagetronic.com/vtmd/))

**VT MultiDisplay** extends how Windows manages multiple displays. A VT MultiDisplay license is bundled with every VTbook DualDisplay.

Main features:

- **Window management**
- **Desktop wallpaper**
- **Smart Taskbar**
- **Display profiles**
- **Screen savers**
- **Mirroring**
- **Application positioning**
- **Scripting&Hotkeys**



Smart Taskbar available on all screens

Most flexible display mirroring



Window handling helpers



Extra window management buttons

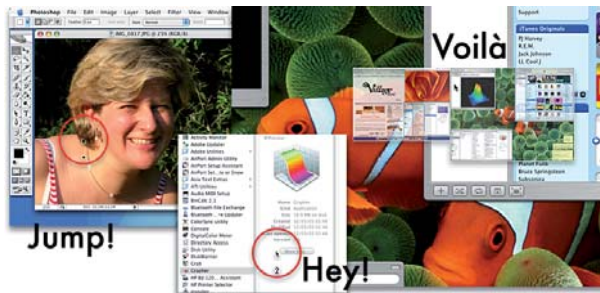
## VT Voilà

(For Mac OS X 10.3 or later, [www.villagetronic.com/vtvoila/](http://www.villagetronic.com/vtvoila/))

**VT Voilà** is a FREE utility that employs an innovative approach to solve the two most annoying issues found when using multiple screen configurations: mouse travel time and lost overview.

All of VT Voilà features are easily recallable with a configurable shortcut:

**Voilà** - Never lose the overview! Voilà presents all your screen space in an overview as little as you wish and you are just one click away from any pixel of your humongous multi display setup!



**Hey!** - Never lose your mouse pointer again!

**Jump!** - Cover any distance on screen instantaneously! Make your mouse pointer jump between all the useful locations you need in no time: you won't even need a single click!



# Work Faster, with Fewer Errors, More Productive!

You work until the last minute on your super efficient workstation. You have the overview. Everything is spread out in front of you. Hit the road. Underway you finish up your work. Arriving. Presentation. Everything works. Always! Not a single file missing. Utopia? VTBook!



Office/Management

"VTBook is especially useful for users who wish to replace their Desktop-PC and want to connect high quality Displays through DVI or who want to connect more than one external Display to their Notebook."

By Jörg Wirtgen, **c't Germany**

"The graphics card (VTBook) from Village Tronic is ideal for the Business and Graphics Segment using mobile applications which require very high resolution. Alternative: Currently not available."

By Daniel Bader, **CHIP**,



Creative/Web Design



Audio/Video Editing

"A jewel of a graphic card! Presented in a small white and black screen, worthy of a luxury jewel or perfume of a great dressmaker. This card from Village Tronic is a wonder of video card, single in its category."

By Nicolas Klingsor, **Macword France**



## Trade Better!

“Trader Better with VTBook. Something a lot of traders have been looking for a long time. It’s multiple monitor trading notebooks. With this new VTBook PCMCIA card you can now have a trading workstation but still enjoy the convenience of notebook computer.”

By Larry Jacobs, **Tradersworld.com**, Issue 37

Every few years, the computers used by trading professionals are replaced with more modern systems. VTBook line of products allow for the first time to use notebooks and laptops instead of desktops, allowing the user to have his valuable data available when commuting.



Village Tronic partnered with HP to provide a trading solution with 4 external displays, designed for demanding trading professionals using high end trading and financial applications.

This solution is possible thanks to VTBook DualDisplay and a special docking station from HP.



Mobile Edition-0.16m



Stationary Edition-1.8m

**VTBook DualDisplay** allows to connect two independent displays (one VGA and one DVI) to one VTBook (Windows only).

## 4-Display Solution with VTBook DualDisplay!



VTBook + DualHead: 1 DVI + 1 VGA

No matter how small is your subnotebook: you can build around it a powerful Multi Display Workstation with up to 4 displays.

With VTBook and a VTBook DualDisplay cable any notebook with a free PCCard compatible slot can drive two independent displays to reach a total of four screens. And more screens can be available with more free PCMCIA slots!

If you mainly travel between two locations it is often a good idea to set up two Multi Display locations with two DualDisplay cables and travel with just your tiny subnotebook and VTBook.

## Relationships with industry leaders:

