

Compatibility list

ReelBox Avantgarde, ReelBox Vista, ReelBone



The following information is designed to assist in your purchase of ReelBone compatible components. As ReelBox Avantgarde, ReelBox Vista and ReelBone all make use of the same Hardware Platform, the components listed can be used in the development of Avantgarde and Vista.

Index 1) lists the usual PC system specifications and the Reel DVB components. Index 2) gives examples of typical system configurations for the ReelBox Avantgarde and the ReelBox Avantgarde "Vista Edition". Index 3) provides comparative information on the individual functionality and system software of the ReelBox Avantgarde and Vista.

I.) Compatible Hardware

a. System Components, PC Hardware

Hardware Class	Connection, Slot, Socket	Products
Processor (CPU)	mPGA478	Intel® Core™ 2 Duo, Intel® Pentium® Core™ Duo, Intel® Core™ Solo, Intel® Celeron M
System Memory (RAM)	2x DDR2 sockets (240pin DIMM)	DDR2-533 (PC2-4200) or DDR2-667 (PC2-5300) Module, max. 2GB per module
DSP / Display adapter	PCI-E 16x	Reel Extension HD or low profile PC display adapter (max. power consumption 70W)
Hard disk drive	SATA 150 / SATA 300	max. two internal SATA hard disk drives
Optical drive	ATA-100, 2,54mm connection	DVD-ROM, DVD+/-R(W); slim line

b. DVB Components, Reel Hardware

Hardware Class	Products
Customisable Tuner Board	Reel Tuner Board with two CI slots: three Reel DVB Tuner card slots
DVB Single Tuner	compatible with DVB-S2, DVB-C, and DVB-T
DVB Dual Tuner	compatible with DVB-S
Extension HD	Reel HD Decoder Card with HDMI & YUV Output for decoding using MPEG-4 (H.264/AVC), resolution 720p and 1080i

ReelBone Specifications

- ReelBox Design Casings with integrated LC-Display (fully graphic, 128x64 Pixel)
- Kontron miniITX Mainboard with energy efficient Notebook Technology, Intel 945GM Chip, GMA 950 (Graphics Chip)
- 300 Watt Mains Adaptor including required plugs; 120x120mm Fan
- Remote Control, Hard Disk & DVD Drive self assembly kits, Slot interface including SCART Output, 2x S-P/DIF Outputs (optical & coaxial), Stereo Cable Outputs

II.) System Configurations: ReelBox Avantgarde & ReelBox Vista

The modular design concept applicable across the range, from cost effective beginner models, whose design features will be incorporated into office PCs in the coming year, to top of the range models providing comprehensive multimedia functionality, and 3D gaming available via Windows Vista, makes everything possible. Please find typical System configurations for the ReelBox Avantgarde and ReelBox Vista. Both have been designed to work in conjunction with the latest Operating System. The specification parameters for both units can be found under subsection III.

ReelBox Avantgarde**

Hardware Class	Produkt
Processor (CPU)	Intel® Celeron M 440 1.86GHz, FSB 533, 1MB L2 Cache
System memory (RAM)	512MB DDR2-667 (PC2-5300)
DSP / display adapter	Reel Extension HD
Hard disk drive	Western Digital SATA-HDD, 320GB, 7.200 U/min
Optical drive	DVD multiformat writer, Dual Layer: Pioneer DVR-K06, ATA-100, slot-in & slim line
DVB equipment	3 Tuner slots, 2 Single DVB tuners according to preference (2x DVB-S2, 2x DVB-C or 2x DVB-T), 2 Common Interface slots
OS	Linux OS with VDR (Video Disc Recorder)

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ReelBox Vista

Hardware-Klasse	Produkt
Processor (CPU)	Intel® Core™ 2 Duo T5600, 2x 1.833GHz, FSB 667, 2MB L2 Cache
System memory (RAM)	2048MB DDR2-667 (PC2-5300)
DSP / Display adapter	ATI Radeon X1600 series, low profile
Hard disk drive	Western Digital SATA-HDD, 320GB, 7.200 rpm
Optical drive	DVD multiformat writer, Dual Layer: Pioneer DVR-K06, ATA-100, slot-in & slim line
DVB equipment	1x DVB-S internal or DVB-T external tuner card included/ NetCeiver technology optional**
OS	Windows Vista Ultimate (preinstalled)

III.) Application Parameters

The following table indicates the suitability of the ReelBox Avantgarde with regards to using Vista and PC / Media Centre applications.

The fields highlighted in green indicate the model is compatible with your requirements, and that standard software is available. If a field is highlighted in yellow the model is limited in its suitability to the application, i.e. the appropriate product is not yet currently available.

If a field is highlighted in red this indicates the model is not suitable for the application required.

The modular design concept of the ReelBox Series makes it easy to add suitable components when required.

PC Application	ReelBox Avantgarde	ReelBox Vista
Office Software (Word, Spreadsheets, Accounts etc.)	Green	Green
Internet based applications (Email, Internet Surfing, Web Design, Filesharing etc.)	Green	Green
Video Editing (Video Editing, DVD Authoring, Format Conversion etc.)	Yellow	Green
Graphic Editing (Photo Editing, DTP, Layout and Design etc.)	Yellow	Green
Audio Editing (using MP3, Format Conversion, Analogue to Digital etc.)	Yellow	Green
3D Modelling (CAD, CAM, CIM etc.)	Red	Green
Multimedia		
Video Playback (PAL, 720p, 1080i): MPEG-2, MPEG-4 (H.264/AVC) via HDD or over the Network	Green	Green
DVD Playback	Red	Green
HD DVD & Blu-Ray functionality	Red	Green
Audio Playback, Audio CD, MP3, Internet Radio etc	Green	Green
Games (3D Shooter & Adventures, Strategy, Online Games etc.)	Red	Green
DVB Receiver		
HDTV (MPEG-4, H.264/AVC) in 720p and 1080i via DVB-S2 and DVB-C	Green	*
Reel 6 Tuner Technology: Capacity for up to six Transponders (DVB-S)	Green	**
Electronic Programme Guide (EPG)	Green	Green
Personal Video Recorder		
Superb quality HDTV recordings with original soundtracks	Green	*
TimeShift (Time shifting TV)	Green	Green
Simultaneous watching of one channel and recording of another	Green	Green
Editing of recordings	Green	Green
TV – burn programmes to DVD	Green	Green

* Available using Reel DVB technology in fourth quarter of 2007 or by using a third-party USB DVB-S2 tuner card (not included)

** Available using Reel DVB technology in fourth quarter of 2007