



# Blue Chip Technology

## Datasheet: Vario LITE Plasma/LCD computer

With the Vario LITE, Blue Chip Technology has created an ultra compact, entry level product for the fast moving digital signage market. Designed specifically for driving plasma/LCD and other widescreen displays, Vario LITE is ruggedised for 24/7 performance. The chassis includes an innovative cooling feature, system fan speeds are synchronised to CPU activity - resulting in a quieter, more power efficient system. For easy installation, Blue Chip have designed a single point fixing kit, a universal bracket that lets you simply bolt the Vario LITE to the back of your display.

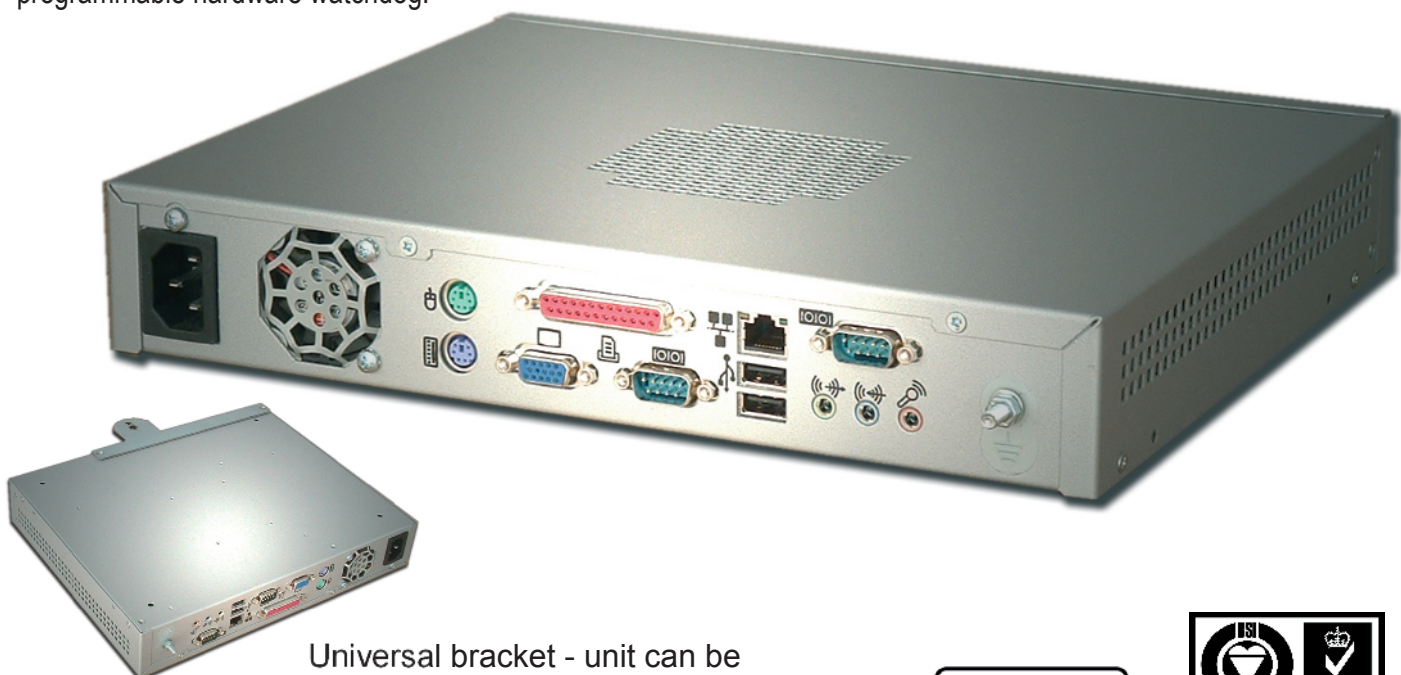
The Vario LITE delivers Pentium® 4 performance and supports up to 2GB of ultra fast DDR SDRAM. Operating system and application storage can be supported by either an ATA 100 hard drive, in a variety of sizes, or in truly harsh environments - flash drives.

The onboard Intel® Extreme Graphics® features Dynamic Video Technology and Zone Rendering Technology and delivers unrivalled 2D and 3D 16:9 performance. Whether your display requires 848x480, 1024x512, 1024x1024, 1280x768 or indeed tomorrow's next standard resolution, you can be assured that Vario LITE will support it. With previous PC engines switching to portrait mode either degraded performance significantly or involved extra content preparation. Not with Vario LITE, both landscape and portrait modes are supported in hardware. With MPEGII hardware decoding, content quality is guaranteed.

To complete the multimedia experience, the onboard audio system can be configured from stereo to a full 5.1 surround sound system. To minimize cabling costs, Vario LITE provides a wide range of high-speed communications interfaces. Whether you need a fast LAN or the latest USB 2.0 with 480 Mbps of bandwidth on tap, Vario LITE has them all. Need to support legacy devices? Dual RS232 serial and one multi mode parallel port are at your disposal. Finally to ensure your expensive displays are protected from an application failure, Vario LITE has a built in programmable hardware watchdog.

### Key Features

- ▶ Ultra compact form factor (W300mm x H50mm x D246mm)
- ▶ Supports Pentium® 4 and Celeron® processors
- ▶ Mounts on rear of most plasma displays
- ▶ Integrated AGP4X Intel® Extreme 2D & 3D Graphics with MPEG II hardware decoding
- ▶ Widescreen resolutions
- ▶ Watchdog timer built in
- ▶ 90°, 180° and 270° rotational software for graphics with MPEG II hardware decoding
- ▶ Single point fixing kit included



Universal bracket - unit can be simply screwed on to rear of display



BS EN ISO 9001:2000  
Certificate No FM 33069

# Technical Specification

## System

Intel Pentium® 4 and Celeron® CPU and Intel® chipset  
Phoenix AGP/PCI BIOS  
Two 184-pin DDR sockets, DIMM memory modules - 64 MB to 2GB DDR SDRAM

## Local Storage

Internal ATA100 Hard Drive and Flash Drive

## Operating System Support

Windows XP, Windows XP Embedded and Windows 2000

## Enhanced IO

One Standard/EPP/ECP parallel and two 16550 compatible serial port connectors  
Four external USB2.0 channels  
Internal IrDA compatible infrared (IR)  
EIDE Controller supports two Ultra DMA-ATA 33/66/100 drives  
PS/2 mouse and keyboard

## Display/Audio

Built in Intel Extreme® Graphics 2D & 3D engine  
Widescreen resolutions 848x480, 852x480, 1280x720, 1280x768, 1368x768, 1024x512, 1024x1024 (custom utility for other resolutions)  
CRT and MPEG II hardware decoding  
0, 90, 180, 270 degrees without performance degradation (landscape & portrait)  
Realtek ALC650 supports stereo through to full 5.1 sound systems  
Supports Mic In, Audio In & Out in stereo mode

## Local Area Network

Realtek 8100 supports 10/100 Mb/s

## System Management

CPU and system temperature monitoring, fan speed and voltage monitoring  
CPU throttling if temperature limits reached to prevent damage  
Programmable watchdog timer from 2.4 to 37 seconds

## Power

Compliant with EPA, APM 1.2 and ACPI, ATX soft-off power control  
Power on by keyboard and mouse, external modem ring, alarm or LAN wake up  
Power Modes: Auto Power On, Auto Power Off and Auto Resume  
Power Input: 100 - 240 AC input (switched)

## Environmentals/Mechanicals

Unit size - W300mm x H50mm x D246mm  
Operating temperature 5°C to 40°C Relative humidity 5 to 90%, non-condensing

## System Warranty

Standard one year return to base warranty

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