



Blue Chip Technology

Datasheet: Vario + Plasma/LCD computer

Designed specifically for driving plasma/LCD and other widescreen displays 24 hours a day, 7 days a week, Vario + brings power and performance to your digital signage application.

The Vario + 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. Where removable media is required, optional slimline CD, CD RW, DVD or floppy drives can be fitted.

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 + will support it. With previous PC engines switching to portrait mode either degraded performance significantly or involved extra content preparation. Not with Vario +, both landscape and portrait modes are supported in hardware with MPEGII decoding delivered through CRT, DVI or S-Video outputs.

Should you need tomorrow's video performance, Vario + allows you to plug in the AGP video card of your choice to deliver a graphics bandwidth of over 1GB/s. 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 + 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 + has them all. Need to support legacy devices? Dual RS232 serial and one multi mode Parallel port are at your disposal.

Where your project needs something a little different or just future proofing for the unexpected wireless, PCMCIA, dedicated MPEG decoders, etc all can be supported by plugging a card into the internal PCI 2.2 slot. Finally to ensure your expensive displays are protected from an application failure, Vario + has a built in, programmable hardware watchdog.

Key Features

- ▶ Ultra compact form factor (W425mm x H66mm x D245mm)
- ▶ Supports Pentium® 4 a 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



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
Drive bay supports slimline CD, CD RW or DVD 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
Two USB2.0 ports external, two further internal USB2.0 channels
Internal IrDA compatible infrared (IR)
EIDE Controller supports two Ultra DMA-ATA 33/66/100 drives
PS/2 mouse and keyboard

Expansion

AGP 4X slot and 32-bit PCI 2.2 slot (optional second PCI 2.2 slot)

Local Area Network

Realtek 8100 supports 10/100 Mb/s

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, DVI & S-Video optional 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

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

Environmentals/Mechanicals

Unit size - W425mm x H66mm x D245mm
Operating temperature 5°C to 40°C Relative humidity 5 to 90%, non-condensing

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)

System Warranty

Standard one year return to base warranty

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