

KEY FEATURES

- ▶ High performance per watt profile for fanless operation
- ▶ Compact footprint - W270mm x H44mm x D180mm
- ▶ Integrated Intel® Graphics Media Accelerator core with VGA, DVI and TV Out
- ▶ Gigabit LAN
- ▶ Three USB 2.0 ports
- ▶ Optional Hardware system watchdogs
- ▶ Internal DV HDD or 2.5" solid state drive
- ▶ Optional Flash storage



Vario A1

The Vario A1 is the latest addition to Blue Chip Technology's series of dedicated digital signage hardware. Equipped with the Intel 1.6GHz N270 processor, the Vario A1 combines robust performance with a very low power consumption and low noise profile. Fanless operation further improves the reliability of the Vario platform. The Intel 945GSE chipset offers advanced graphics and 3D performance, making the A1 a very cost effective, entry level player.

The rugged metal chassis is compact and lightweight for a neat behind-screen installation. There is a full set of IO features, including one Gigabit Ethernet, three USB 2.0 ports, two COM ports, one DVI, one VGA and one composite output. Multiple video interfaces support dual display and stereo audio further enhances a perfect engine for multimedia applications. System storage can be provided by solid state SATA drive, disk-on-module or standard SATA HDD and the unit can accommodate up to 2GB DDR2 RAM.

Special features such as hardware system watchdog, industrial temperature ranges and high MTBF disk drives build reliability into each unit. Blue Chip manage production for platform stability and longevity, making the Vario A1 an essential, low maintenance building block for OOH media installations. The unit is EMC tested, fully CE approved and covered by a standard one year warranty.

SYSTEM

- ▶ Intel® Atom™ N270 1.6GHz CPU and 945GSE chipset
- ▶ Up to 2GB DDR2 SDRAM

STORAGE

- ▶ 3.5 inch SATA hard disk drive
- ▶ 2.5 inch Solid State Drive
- ▶ Optional Disk on Module

OPERATING SYSTEM

- ▶ Windows® XP Pro for Embedded Systems
- ▶ Windows®XP Embedded
- ▶ Linux

ENHANCED IO

- ▶ VGA analogue
- ▶ DVI-D (digital only)
- ▶ 2 serial ports -1 RS232 and 1 RS232/422/485
- ▶ 3 USB (2.0) ports
- ▶ 1 Ethernet (10/100/1GB) LAN port
- ▶ Composite Output
- ▶ 1 PS/2 (keyboard and mouse via splitter cable)

LOCAL AREA NETWORK

- ▶ Ethernet (10/100/1Gb) LAN

DISPLAY/AUDIO

- ▶ Dual display interfaces - VGA, and DVI
- ▶ TV Out (Composite Video)
- ▶ Stereo Out
- ▶ Intel® Graphics Media Accelerator 950 core
- ▶ 2D and 3D Acceleration including support for Full DirectX 9.0 and OpenGL
- ▶ Up to 1600 x 1200 resolution in DVI and 2048 x 1536 in VGA

POWER

- ▶ ACPI v1.0 and APM v1.2
- ▶ 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, Always Power On (Optional)
- ▶ Power Input: DC 9 - 24V. Mains adaptor available

DIMENSIONS

- ▶ W270mm x H44mm x D180mm

SYSTEM MANAGEMENT

- ▶ CPU and system temperature monitoring and voltage monitoring
- ▶ CPU throttling if temperature limits reached to prevent damage
- ▶ Optional hardware watchdog controller

ENVIRONMENTALS

- ▶ Operating temperature range +0°C to +40°C
- ▶ Storage temperature range -20°C to +70°C
- ▶ Relative humidity 5-90% non-condensing
- ▶ Shock and vibration compatible with light industrial usage
- ▶ EN55022 Class A – Emissions
- ▶ EN55024 Susceptibility
- ▶ EN60950-1 Safety

WARRANTY

- ▶ Standard 1 year return to base. optional two year extension