



new

VS-EmRunner 5403

**AMD LX 800 Fanless Embedded System with
VGA/2 LAN/4 COM/4 USB/Audio/CF/MiniPCI**



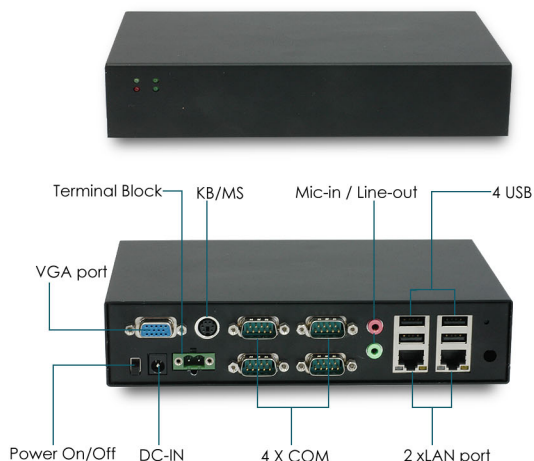
Features

- . AMD Geode LX800 with 500MHz fanless
- . AMD Geode CS5536 Chipset
- . 2 x Giga LAN, 4 x USB 2.0
- . 3 x RS232, 1 x RS232/422/485
- . Compact Flash Adapter (internal)
- . Space for 2.5" HDD
- . Mini PCI Expansion Slot, optional WLAN
- . Wide range of power, 12V DC – 36V DC
- . Heavy-duty Aluminium Chassis

VS-Emrunner 5403 is a powerful but cost effective embedded PC, based on the new low power AMD Geode LX800 embedded CPU technology. This x86 compatible processor needs only 0,9W and delivers best performance "per watt". Designed with passive heat sink for cooling and using Compact Flash adapter as mass storage, VS-EmRunner 5403 does not use any service sensitive rotating components. This makes this IPC a "service free" device, well suited even for dusty and hot places. VS-EmRunner 5403 has a rich choice of peripherals: 4 x USB 2.0, 3 x RS232, 1 x RS232/422/485 and 2 x Giga LAN can be used to run a broad range of applications in different industrial fields.

VS-EmRunner 5403 provides two independent Giga LAN ports (10/100/1000Tx), which allow to create two separated LAN networks. In Human Machine Interaction applications, system integrators like to distinguish between factory zone and data storage zone to reduce network collision and crash traffic or to avoid a virus infection.

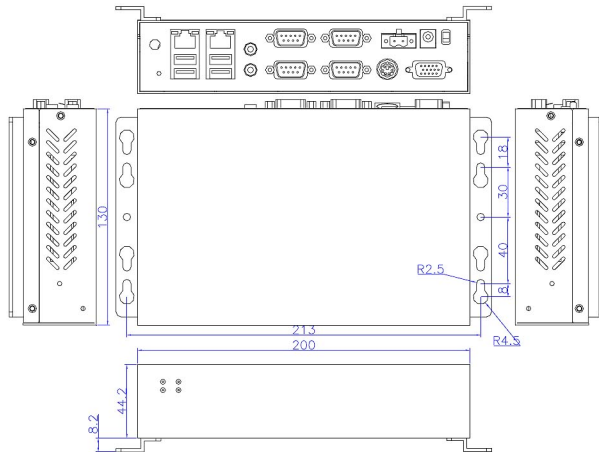
The small, but mechanically stable chassis and the very low power consumption of VS-EmRunner 5403 make it one of the first choice for many industrial application fields, such as thin clients, sensor/actor controllers, network gateways and device control and monitoring.



EMBEDDED SYSTEM

Specifications

Dimensions (mm):

**Chassis**

Construction: Aluminium
 Mounting configuration: Desktop, Wallmount
 Cooling system: Passive heatsink, fanless
 LED indicator: Power on/off, HDD/CF access, 2 x LAN access
 Expansion slot: 1 x MiniPCI
 Dimensions: 130.0 x 200.0 x 44.2 mm

Hardware

Processor: AMD Geode LX800, 500MHz
 CPU socket: On board
 BIOS: Award BIOS
 Chipset: AMD Geode CS5536
 Memory type: 256MB DDR, up to 1GB
 Memory socket: 1 x SoDIMM DDR Dimm socket
 VGA controller: Embedded in chipset
 Video RAM: UMA up to 254MB
 Resolutions: Up to 1920 x 1441/32bit @85hz
 IDE: Optional 2.5 HDD, 20GB
 Compact Flash: Internal CF Adapter
 Watch dog Timer: Programmable watchdog timer, 256 sec.
 Real Time clock: Standard
 Keyboard/Mouse: Standard PS/2 connector

Connectivity

LAN: 2 x 10/100/1000Tx with RJ45 connector,
 supports wake/boot on LAN
 USB: 4 x USB 2.0
 Com Ports total: 4 x DSUB 9 male
 Com Port Modi: 3 x RS232, 1 x RS232/422/485
 Audio: Line-in, MIC-in, Line-out, ear-jet connector

Power supply

External Power Adapter: 24V, 30W
 Power input: AC 100-250V, 47-63Hz

Power consumption

System average: Only 7.2W
 with power supply: 15.1W

Environment

Operating Temp.: 0° ~ 50°C
 Storage Temp.: -20° ~ +80°C

Operation Systems

Windows: Win98, NT, 2K, XP, Embedded XP, Windows CE
 Linux: Kernel 2.4 / 2.6



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