

ICOP Technology Inc.

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www.icoptech.com**800MHz VDX-6356 SBC with 3 Ethernet interfaces**

This SBC is built with the Vortex86DX System-on-Chip (SoC) using an x86-based processor core designed to support embedded and industrial applications. At 800MHz, this low-power SBC draws 620mA at 5VDC, making it possible to operate in fanless mode using a low-profile heat sink to meet the PC/104 stacking specification. In addition to the integrated USB, serial, parallel, IDE storage, PS/2 keyboard/mouse, RTC and GPIO (configurable as PWM), this SBC has three integrated 10/100 Mbps Ethernet interfaces to support designs that require multiple network interfaces.

The SBC has built-in 4MB SPI flash storage, which can be configured as a bootable device. An integrated 44-pin IDE interface is available to support large volume storage using standard 2.5" IDE hard drive or IDE flash storage. Device drivers and BSPs are available to support popular OSs, including DOS, Linux, Windows Embedded CE, Windows XP, XP Embedded, etc.

**FEATURES**

- › 800MHz x86 CPU with L1 and L2 cache
- › 256MB DDR2 RAM
- › Three 10/100 Mbps Ethernet interfaces, two USB 2.0 hosts, IDE
- › Three RS-232 serial, one RS-232/422/485, parallel, 16 GPIO
- › Two watchdog timers configurable to trigger IRQ, NMI and system reset
- › Single +5VDC at 620mA power requirement
- › -40°C to +85°C industrial operating temperature range
- › Supports Windows XP, Windows XP Embedded, Windows Embedded CE 5.0/6.0, Linux, DOS and popular RTOSs
- › Long product life-cycle support from 2009 to 2018