Unit: mm

Specifications

SoC	DM&P SoC CPU Vortex86SX- 300 MHz Real Time Clock with Lithium Battery Backup
Cache	L1: 16K I-Cache, 16K D-Cache
Bus	16-bit x-ISA interface
BIOS	AMI BIOS
System Memory	256MB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5µ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
Flash Disk Support	Onboard 2MB SPI Flash Disk Onboard EmbedDisk 512MB
I/O Interface	RS-232 port x 2 (TTL x2) USB port (Ver2.0) x 1 Parallel port x 1 16-bit GPIO port x 1
Connectors	2.0mm 64-pin header for 16-bit x-ISA interface x 1 2.0mm 64-pin header for I/O interface x 1 2.0mm 9-pin header for DMA x 1 1.25mm 6-pin wafer for JTAG x 1
Power Requirement	Single Voltage +5V @ 320mA
Weight	30g
Board Size	65 x 45mm (2.56 x 1.77 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

Mity-SoC Module

Mity-SoC Module: VSX-6119-FB-D-V2 (65x45mm) is designed as the kernel of your own application, which integrates the Vortex86SX CPU, Onboard 256MB DDR2, EmbedDisk-512MB, BIOS and multi I/O. The I/O interface of Mity-SoC are 64-pin (2 x 32, pitch 2.0 mm) connector x 2; one is for x-ISA bus, another one for all I/O functions which including RS-232, Printer, IDE, and GPIO.

For assisting users easily use our Mity-SoC Module, ICOP provides complete development kit of Mity-SoC Development Board and Mity-SoC VGA/LCD Development Kit for Mity-SoC Module.

We also supply our customers with referential circuit diagram for easing user's effort during development process. Meanwhile, you can design your own based board which only equips I/O functions you need.

Please visit our website for getting further information you need:

http://www.dmp.com.tw/tech/vortex86sx/

You also can contact us for getting referential circuit drawing: info@icop.com.tw

Mity-SoC CPU Module Ordering Selection

Ordering Type No.	SST-512MB	SPI-2MB	TTL	RS-232
VSX-6119-FB-A-V2	V		V	
VSX-6119-FB-B-V2	V			V
VSX-6119-FB-C-V2	V	V	V	
VSX-6119-FB-D-V2	V	V		V

Packing List

• VSX-6119-FB-D-V2 x1

Ordering information

• **VSX-6119-FB-D-V2** Vortex86SX Mity-SoC CPU Module with 256MB DDR2
• **VSX-6119-1** Mity-SoC Development Board
• **ICOP-6019-VGA** Mity-SoC VGA/LCD Development Kit