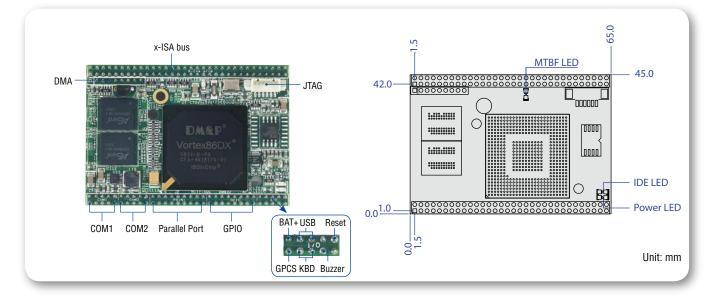
#### 256MB/2S/USB/GPIO

# VDX-5319D-FB-D



#### **Specifications**

SoC	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup			
Cache	L1:16K I-Cache, 16K D-Cache L2 Cache 128KB			
Bus	16-bit x-ISA interface			
BIOS	AMI BIOS			
System Memory	256MB DDR2 Onboard			
Watchdog Timer	Software programmable from $30.5\mu$ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)			
Flash Disk Support	Onboard 4MB SPI Flash Disk Onboard EmbedDisk 512MB			
I/O Interface	RS-232 port x2 (TTL x2) USB port (Ver2.0) x1 Parallel port x1 16-bit GPIO port x1			
Connectors	2.0mm 64-pin header for 16-bit x-ISA interface x1 2.0mm 64-pin header for I/O interface x1 2.0mm 9-pin header for DMA x1 1.25mm 6-pin wafer for JTAG x1			
Power Requirement	Single Voltage +5V @ 400mA			
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: VDX-6319D-FB-D (65 x 45mm) is designed as the kernel of your own application, which integrates the Vortex86DX CPU, onboard 256 DDR2, EmbedDisk-512/1G/2GB, BIOS and multi I/O. The I/O interface of Mity-SoC are 64-pin (2 x 32, pitch 2.0mm) connector x2; one is for x-ISA bus, another is 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/vortex86dx/

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-4MB	TTL	RS-232
VDX-6319D-FB-A	V		V	
VDX-6319D-FB-B	V			V
VDX-6319D-FB-C	V	V	V	
VDX-6319D-FB-D	V	V		V

## **Packing List**

• VDX-6319D-FB-D x1

#### **Ordering information**

- VDX-6319D-FB-D Vortex86DX Mity-SoC CPU Module with 256MB DDR2
- VSX-6119-1 Mity-SoC Development Board
- ICOP-6019-VGA Mity-SoC VGA/LCD Development Kit