Details	
Product Status	Obsolete
Core Processor	eZ8
Core Size	8-Bit
Speed	20MHz
Connectivity	I²C, IrDA, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Number of I/O	46
Program Memory Size	64KB (64K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	4K x 8
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V
Data Converters	A/D 12x10b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount
Package / Case	68-LCC (J-Lead)
Supplier Device Package	-
Purchase URL	https://www.e-xfl.com/product-detail/zilog/z8f6422vs020eg

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Figure 3. Connecting the Z8 Encore! XP® F64xx Series ICE to the Target POD and Adapter Assembly (Typical Connection Shown)

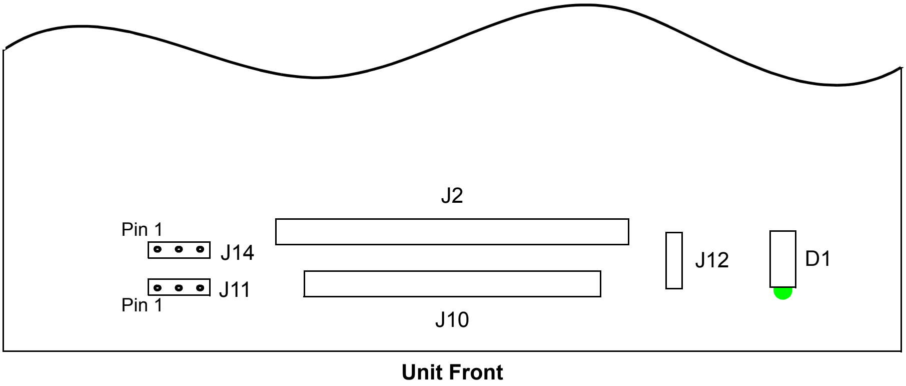

Figure 4. Z8 Encore! XP® F64xx Series ICE Top View

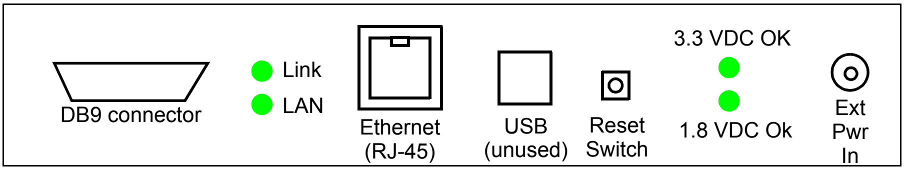

Figure 2. Z8 Encore! XP® F64xx Series ICE Rear Panel

4. Connect the ribbon cables from the target POD to connectors J2 and J10 on the Z8 Encore! XP® F64xx Series ICE. (See Figure 3 and Figure 4.)
5. Plug the target POD into the package adapter installed on the target board.
6. Connect a 5 VDC power supply to the Z8 Encore! XP® F64xx Series ICE. The ICE Run LED should illuminate (see Figure 5). If either power LED fails to illuminate, or if the ICE Fail LED either blinks continuously or fails to extinguish after 15 seconds, there is a problem with the unit. Contact Zilog support at `http://www.zilog.com/` for a replacement unit.
7. Connect a 5 VDC power supply to the Z8 Encore! development board.

installing the package adapter that came with your kit into the compatible socket on a target board such as the Z8 Encore! XP® F64xx Series Development Board; connecting the emulator to a PC; and connecting the emulator to the target.

You may have to reconfigure network settings on the PC or on the Z8 Encore! XP® F64xx Series ICE before using the emulator.

1. Install the Z8 Encore! XP® F64xx Series MCU package adapter into the socket on your target board, being sure to line up the guide pins with the guide pin holes on the socket.
2. Connect the CAT-5 crossover cable from the PC to the Ethernet port on the Z8 Encore! XP® F64xx Series ICE. See Figure 1.

Note: *If you prefer, you can connect the emulator to an Ethernet hub using a standard CAT-5 patch cable.*

3. Connect the serial COM port on the PC to the serial port on the Z8 Encore! XP® F64xx Series ICE using the DB9-to-DB9 serial cable. See Figure 2.

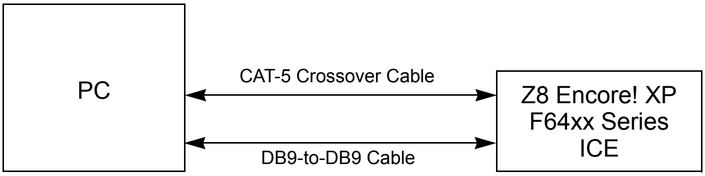

Figure 1. Connecting a PC to the Z8 Encore! XP® F64xx Series ICE

Requirements

Table 1 lists the PC requirements for running ZDS II.

Table 1. ZDS II System Requirements

Recommended Configuration	Minimum Configuration
• PC running MS Windows XP, SP1 • Pentium III/500 MHz processor • 128 MB RAM • 40 MB hard disk space • Super VGA video adapter • CD-ROM drive • Ethernet port • One or more RS-232 communications ports • Internet browser (Internet Explorer or Netscape)	• PC running MS Windows 98SE/WinNT 4.0–SP6/Win2000–SP3/WinXP–SP1 • Pentium II/233 MHz processor • 96 MB RAM • 25 MB hard disk space • Super VGA video adapter • CD-ROM drive • Ethernet port • One or more RS-232 communications ports • Internet browser (Internet Explorer or Netscape)

Install the Software

Follow these steps to install ZDS II with the ANSI C-Compiler.

1. Insert the ZDS II CD into your computer’s CD-ROM drive. *DemoShield* launches automatically. If it does not automatically launch, go to the root of the CD-ROM and double-click the file launch.exe.
2. *DemoShield* provides several installation choices. Select “Install ZDS II” to install now. You can install other software and accompanying documentation later.
3. Follow the instructions on the screen to complete the installation.

Install the Hardware

The Z8 Encore! XP® F64xx Series In-Circuit Emulator features an Ethernet interface and an RS-232 serial port. Hardware installation consists of

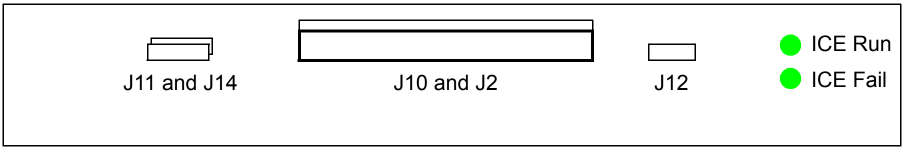

Figure 5. Z8 Encore! XP® F64xx Series ICE Front-Panel

Configure the Hardware

Configuring the Z8 Encore! XP® F64xx Series ICE consists of selecting emulator jumper options and setting up Ethernet communications between the emulator and your PC.

Setting Jumpers on the Z8 Encore! XP® F64xx Series ICE

There is one jumper on the Z8 Encore! XP® F64xx Series ICE. Jumper J12 allows you to select whether the emulator Watch-Dog Timer uses the 32-kHz internal oscillator or is programmable using the settings in ZDS II.

Table 2. Jumper J12 Settings on the Z8 Encore! XP® F64xx Series ICE

Watch-Dog Timer...	Jumper Position
uses the 32-kHz internal oscillator	1 - 2 (default)
not implemented	3 - 4

Setting Up Ethernet Communications

The default IP address and subnet mask of the Z8 Encore! XP® F64xx Series ICE are 192.168.1.50 and 255.255.255.0, respectively. To enable communication between the PC running ZDSII and the Z8 Encore! XP®