



OPERATOR INTERFACE PRODUCTS

APPLICATION NOTE

Subject: Downloading an application using the IR Port

AN# 1084

Date: August 4, 1998

Name: Steve Vargo

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Description: Configuring and Downloading using the IR Port

Downloading an Application Using the IR Port

If you have a laptop with an IR port, you can download to the target workstation using this port. To do this,

1. You must first enable the IR port in the BIOS setup menus on the target workstation. Press F2 as soon as the "Xycom Industrial BIOS vx.x" banner displays at the top of your screen, and before the operating system loads.
2. Select the Advanced menu, and then select the Integrated Peripherals submenu.
3. Set UART 2 Mode to "IrDA."
4. Press ESC to access the Exit menu, and then select the Save Changes & Exit option.
5. Reboot your computer. COM2 is now set up as an IR port.
6. Open the SoftScreen application you want to download using the IR port.
7. Line up the IR port on the laptop with the IR port on the target workstation, and then download as you normally would.

Note: The Download Port setting in the Configure Download Port dialog box must match the COM port for which the laptop's IR port is configured.

Note: You cannot use the Force Default Baud Rate button when downloading using IR ports.

Configure Download Port Dialog Box

This dialog box sets the parameters for the development system serial port that you will use to download applications and drivers to target workstations.

Download Port



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Click the arrow next to this field, then select Com 1, Com 2, Com 3 or Com 4 to identify the serial port you will use on the development system. If you are going to download to a modem, this port must be the port for which the modem is configured.

Baud Rate

Click the button next to this field, then select the baud rate you wish to use for the download. The download program supports communication at 2400, 9600, 14.4K, 19.2K, 28.8K, 38.4K, 57.6K, and 115.2K baud. The rate you can use is determined by the speed of the slowest workstation to which you will download. If you are going to download to a modem, this rate must be the rate for which the modem is configured.

This also dialog box contains a pushbutton:

Force Default Baud Rate pushbutton

Sets the serial ports on all workstations currently connected to the development system to operate at the default baud rate of 57.6K.