# Install Software

The accompanying software includes all necessary drivers and configuration utilities needed for the Tracelink. After installation is complete, make sure the PC is rebooted

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before moving on to the configuration step.

### Power On Tracelink



Power up the Tracelink by connecting the included 9V power supply. A blue LED will be illuminated on the Tracelink to indicate it is receiving power.

## **3** Ethernet Configuration

Choose Connection Port &	Tracelink Device:		
USB Port			<b>~</b>
USB1			•
Specify IP		Close	Open Refresh List
leconfigure IP Numbers:			
Tracelink IP Number:	10.0.4.45	Gateway IP Number:	10.0.0.1
Tracelink Device Name:	Aries	Subnet Mask:	255.0.0.0
Network MAC Address:	00:0D:01:20:00:2C	Firmware Version:	1.30

Connect the Tracelink to the PC using a USB connection. Run the ConfigureIP software utility to set up the network parameters (IP address, subnet mask, etc.). The Ethernet port will not function properly until this one-time configuration is complete. You may refer to the Tracelink User Manual for an indepth description. If the Tracelink Ethernet connection is not required, this step may be skipped.

### **Hardware Setup**



Connect the appropriate ribbon cable between the Tracelink and the target board. The Tracelink case flips open for easy access to the ribbon cable connectors. Power up the target board. A yellow LED on the Tracelink will be illuminated to indicate that it is detecting target power.

Finally, connect the USB or Ethernet cable from the Tracelink to the host PC.

#### Launch PC Software

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		% Breakpoir	ts 🚺 Cache 💷 I	Registers 🛋 Module:		
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- Alexandra (Alexandra) (Strategic (Alexandra)) (Strategic (Alexandra)) (St				20000 cbc2 : 20000 cb2 : 20000 cb4 : 423 \$ 20000 cb8 :	<pre>move.l a0,(a7) jsr printf_comsole+0; counter++;</pre>	
				20000.cbc1 20000.cbc1 22 20000.cc21 47	addq.1 #1,d0 move.1 d0,-4(a6) for(JJ) {	
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The Tracelink is now ready to be used with PC software to debug and analyze trace. Please refer to the documentation from the software vendor (e.g., P&E software, Freescale<sup>™</sup> CodeWarrior) for more details on any additional configuration that may be required. The Tracelink User Manual and other resources are available at:

#### pemicro.com/tracelink

### **Production Programming**

Once you have accomplished the development stage of your project, you may need a hardware tool to allow you to easily execute low- or high-volume production programming. P&E's Cyclones are extremely flexible tools designed for debugging, testing, and in-circuit flash programming of Freescale microcontrollers.



#### Features

- · PC- & User-Controlled Stand-Alone Operation
- · Interactive Programming via Host PC
- · In-Circuit Debugging, Programming, and Testing
- · Communication via USB, Serial, and Ethernet Ports
- · Multiple image storage
- $\cdot$  LCD screen menu interface
- · Supported by P&E software & Freescale's CodeWarrior

The Cyclone comes with intuitive configuration software and interactive programming software, as well as easy to use automated control software.

For more information about P&E's Cyclones, please visit us at **pemicro.com**.



