



MiiNePort E1-SDK Quick Installation Guide

First Edition, March 2012

Overview

The MiiNePort E1-SDK is a powerful and versatile software suite for proprietary firmware development on the MiiNePort E1. To expedite time-to-market, the MiiNePort E1-SDK provides comprehensive tools for development, testing, and mass-production. The software development kit includes:

- MiiNePort-IDE - integrated platform for development of serial-to-Ethernet firmware.
- PComm Lite - software application for testing serial and TCP/IP communication/transmission.
- Search Utility - search-and-update firmware utility for mass-production of modules and serial devices through simultaneous multiple-unit configurations.

Available Starter Kits

- MiiNePort E1-SDK: Software Development Kit for the MiiNePort E1 Series

Package Checklist

Each MiiNePort package contains the following items:

- 1 MiiNePort E1-SDK module
- 1 MiiNePort E1-SDK evaluation board
- 1 MiiNePort E1-SDK Documentation and Software CD
- 1 universal power adaptor
- 2 power cords
- 1 null modem serial cable
- 1 cross-over Ethernet cable
- 1 USB cable
- 1 product warranty booklet
- 1 Quick Installation Guide (this guide)

Note: Please notify your sales representative if any of the above items are missing or damaged.

Hardware Installation Procedure

Follow these steps to prepare the module and evaluation board for testing and application development.



ATTENTION

For detailed information about the pin assignments, wiring, and board layouts, refer to Chapters 1 and 2 of the MiiNePort E1/E2-SDK Series User's Manual

STEP 1: Connect the 12 to 48 VDC power line with the evaluation board's power jack.

STEP 2: Use an RJ45 Ethernet cable to connect the MiiNePort E1 module to an Ethernet network.

STEP 3: Use the USB cable to connect the evaluation board to the PC.

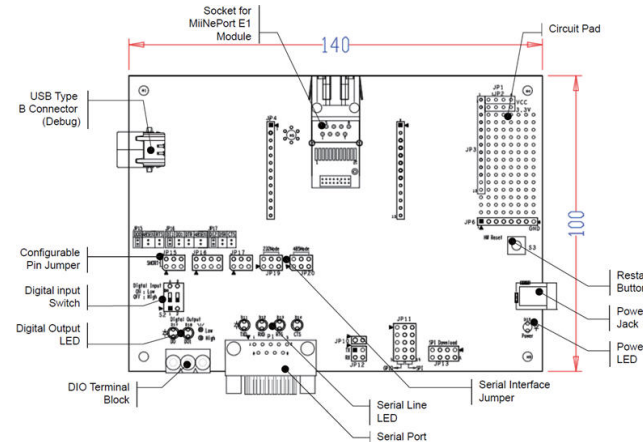
Software Utility Installation Procedure

Use the following installation procedure for MiiNePort E1-SDK software development kit (MiiNePort-IDE)

Software Installation

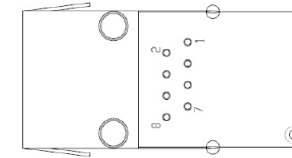
1. Start the **MiiNePort-IDE** setup program to begin the installation. When the **Welcome** window opens, click on **Next**.
2. Click on **Install** to install program files in the default directory.
3. The **Installing** window reports the progress of the installation.
4. Click on **Finish** to complete the installation.

Evaluation Board Layout



Pin Assignment (MiiNePort E1 Series Modules)

Serial Signal Pins



| Pin | Function |
|-----|-------------------------------|
| 1 | GND |
| 2 | VCC |
| 3 | Reset |
| 4 | Data Out |
| 5 | Data In |
| 6 | Ready/RTS ^a |
| 7 | Reset to Default ^b |
| 8 | CTS ^c |

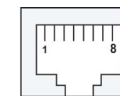
a) Pin 6 can be configured as Ready/RTS (Request to Send), Ready/DO, or RS-485 Tx Enabled (the default is Ready/RTS).

b) Pin 7 can be configured as Reset to Default, DIO, DTR, or RS-485 Tx Enabled (the default is Reset to Default).

c) Pin 8 can be configured as CTS (Clear to Send), DI, or DSR (the default is CTS)

Ethernet Port Pins

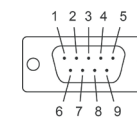
RJ45



| Pin | Signal |
|-----|--------|
| 1 | Tx+ |
| 2 | Tx- |
| 3 | Rx+ |
| 6 | Rx- |

MiiNePort E1-SDK Evaluation Board

DB9 Male



| Pin | RS232 |
|-----|-------|
| 1 | DCD |
| 2 | RxD |
| 3 | TxD |
| 4 | DTR |
| 5 | GND |
| 6 | DSR |
| 7 | RTS |
| 8 | CTS |

Reference Material

The following detailed user's guides can be found on the Documentation and Software CD that came with your MiiNePort E1-SDK product.

Certification

This product complies with Chinese RoHS (Restriction of Hazardous Substances) regulations for Electronic Information Products.

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