



MiiNePort E2-SDK Quick Installation Guide

Second Edition, June 2012

Overview

The MiiNePort E2-SDK is a powerful and versatile software suite for proprietary firmware development on the MiiNePort E2. To expedite time-to-market, the MiiNePort E2-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 E2-SDK: Software Development Kit for the MiiNePort E2 Series

Package Checklist

Each MiiNePort E2-SDK package contains the following items:

- 1 MiiNePort E2-SDK module
- 1 MiiNePort E2-SDK evaluation board
- 1 MiiNePort E2-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: Switch on the power switch.

STEP 3: Use an RJ45 Ethernet cable to connect the evaluation board to an Ethernet network.

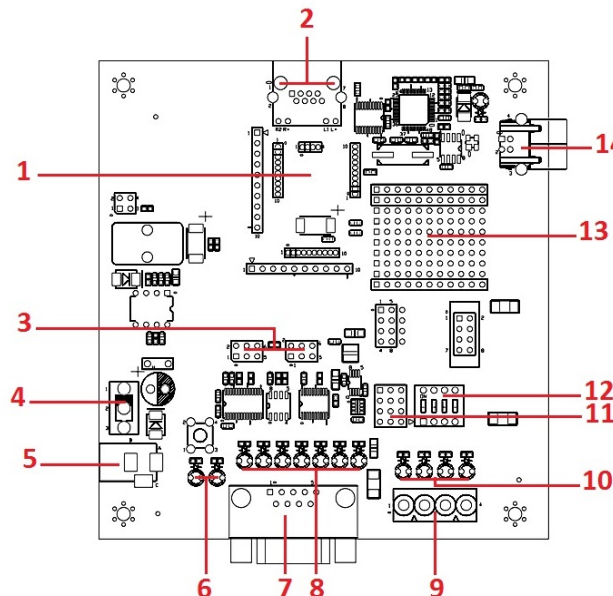
STEP 4: Use the USB cable to connect the evaluation board to the PC.

Software Utility Installation Procedure

Use the following procedure to install the MiiNePort E2-SDK software development kit (MiiNePort-IDE):

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.

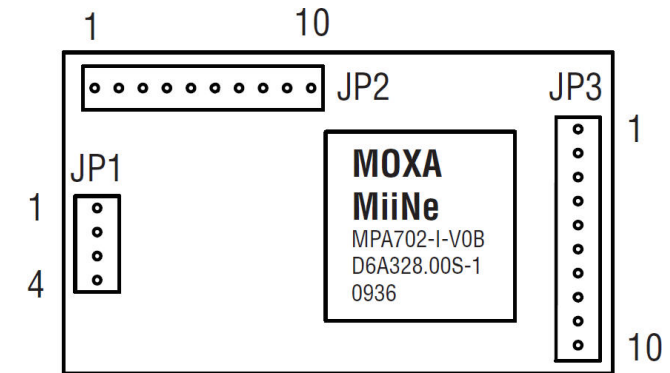
Evaluation Board Layout



Number	Description
1	MiiNePort E2 Module Location
2	Ethernet RJ45 Connector
3	Serial Interface Jumper
4	Power Switch
5	Power Jack
6	Power & Ready LED
7	DB9 Male Connector
8	Serial Port Status LED
9	Digital IO Terminal Block
10	Digital Output LED
11	Digital Input/Output Mode
12	Digital Input Switch
13	Circuit Pad
14	USB Type B Connector (Debug)

Module Pin Assignment

Bottom of the MiiNePort E2 Series Modules



JP1		
Pin	Signal Name	Function
1	Ethernet Tx+	Ethernet Transmit Data+
2	Ethernet Tx-	Ethernet Transmit Data-
3	Ethernet Rx+	Ethernet Receive Data+
4	Ethernet Rx-	Ethernet Receive Data-
JP2		
Pin	Signal Name	Function
1	100M LED	Ethernet 100M LED
2	10M LED	Ethernet 10M LED
3	LRXD	Receive Serial Data
4	LTXD	Transmit Serial Data
5	LDCD	Data Carrier Detect
6	RS485_EN	RS-485 Enable

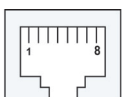
7	LRTS	Request To Send
8	LDTR	Data Terminal Ready
9	LDSR	Data Set Ready
10	LCTS	Clear To Send

JP3

Pin	Signal Name	Function
1	DIO0	Programmable Input/Output
2	DIO2	Programmable Input/Output
3	DIO3	Programmable Input/Output
4	DIO1	Programmable Input/Output
5	Reserved	N/A
6	Reserved	N/A
7	SW Reset	Reset To Factory Default
8	GND	Circuit Ground
9	Ready LED	System is Ready LED
10	VCC	Power Supply

Evaluation Board Ethernet Port

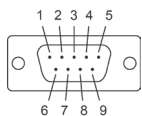
RJ45



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

Evaluation Board Serial Port

DB9 Male



Pin	RS232	RS485-2W
1	DCD	--
2	RxD	--
3	TxD	D+
4	DTR	D-
5	GND	GND
6	DSR	--
7	RTS	--
8	CTS	--
9	--	--

Reference Material

A detailed user's guides can be found on the Documentation and Software CD that came with your MiiNePort E2-SDK product.

Certification

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

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