

ASEK05-T-KIT Quick Guide

The ASEK-05-T-KIT as described below is for the purpose of evaluating the A1340, A1341, A1343 and A1363 device.

ASEK05 T-KIT Bill of Materials

- ASEK-05 Main Board(Part #: 85-0519-003)
- ASEK-05 Calibration Board(Part #: 85-0519-100)
- ASEK-05 Socket Board(Part #: 85-0519-101)
- ASEK-05 Cable(Part #: 85-0519-300)
- RJ-45 ethernet crossover cable (Part#: A3X126-03-YLW-M)
- ASEK-05 Power Supply(Part #: 85-0519-400)

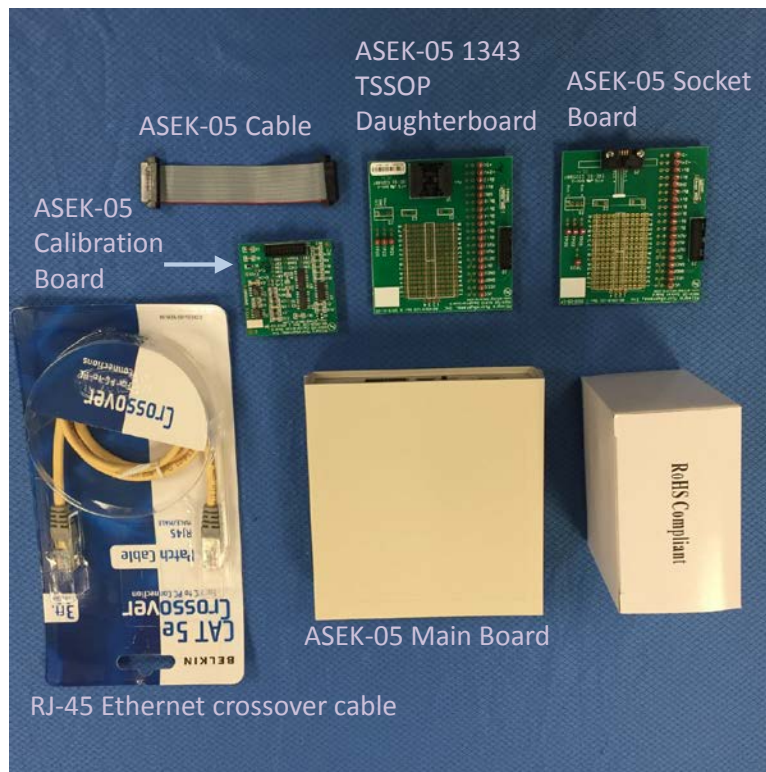


Figure 1. All the parts in ASEK05 kit

Instructions for Configuring ASEK-05-T-KIT for Device Programming

1. Connect one end of the Ethernet communications cable to a personal computer
2. Connect the other end of the Ethernet communications cable to the “TCP/IP” port on the ASEK-05 chassis.

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3. Connect the ribbon cable to the J2 connector on the ASEK05 socket board(85-0519-101) for programming device in KT package, while ASEK05 TSSOP Daughter board is used for programming devices in TSSOP package.
4. Connect the other end of the ribbon cable to the “Device Connection” port on the ASEK-05 chassis
5. Connect the DC Power Supply/Cable to the 5V port on the ASEK-05 chassis
6. Plug in the DC Power Supply to a 110V/220AC 60/50Hz outlet with the proper adapter
7. The whole setup is shown in Figure 2.

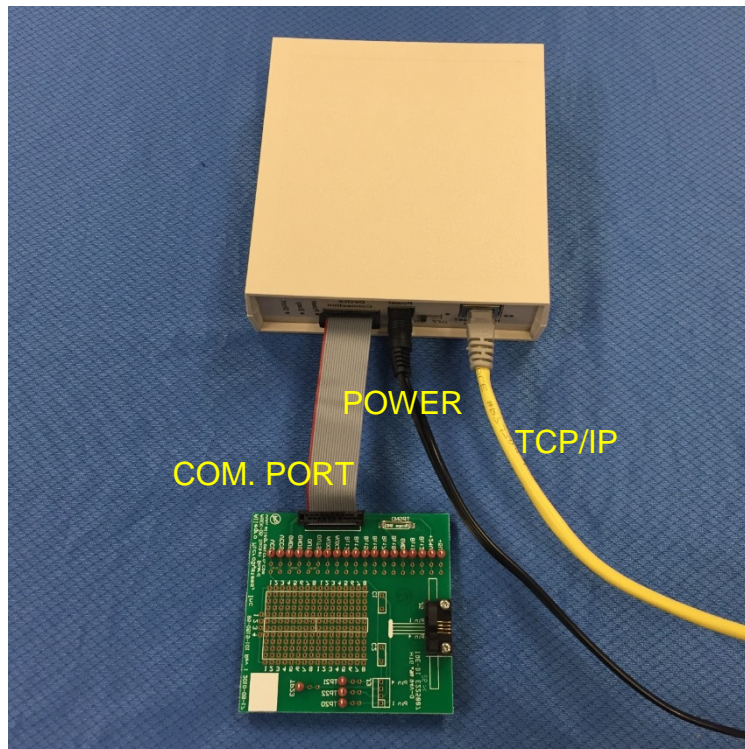


Figure 2

Setting up TCP/IP Connection

The ASEK programming board has three outlets: the TCP/IP connection for communicating with the PC, the power outlet, and the communication port with the ASEK05 socket board. The TCP/IP connection can be established with a crossover network cable or a hub with two straight cables.

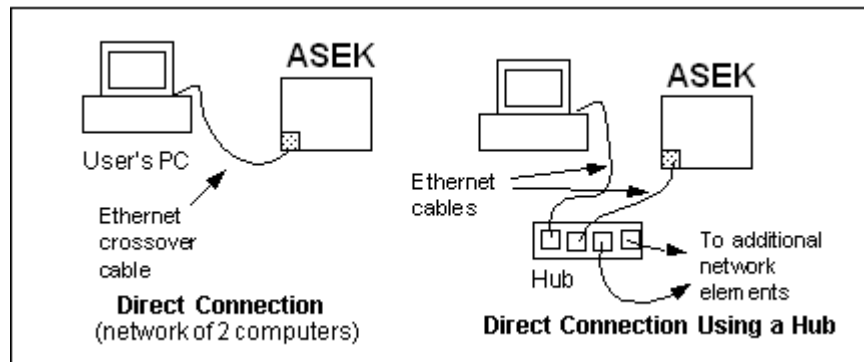


Figure 3 Options for connecting ASEK to the PC.

A new TCP/IP network has to be established on the PC to provide communication between the PC and the ASEK board. The ASEK IP address is “192.1.2.3” and the PC IP address has to be configured so that both devices are located in the same network.

In order to configure the TCP/IP address the following steps should be followed:

1. Find Local Area Connection following a sequence from the Desktop window of your PC. Press “Start ->Connect To->Show All Connections”

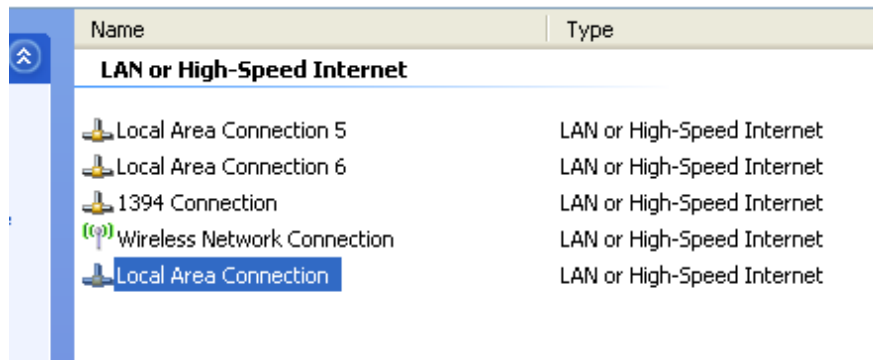


Figure 4

2. Choose one local area connection to reconfigure. Right click on it and choose “Properties” .(see below)

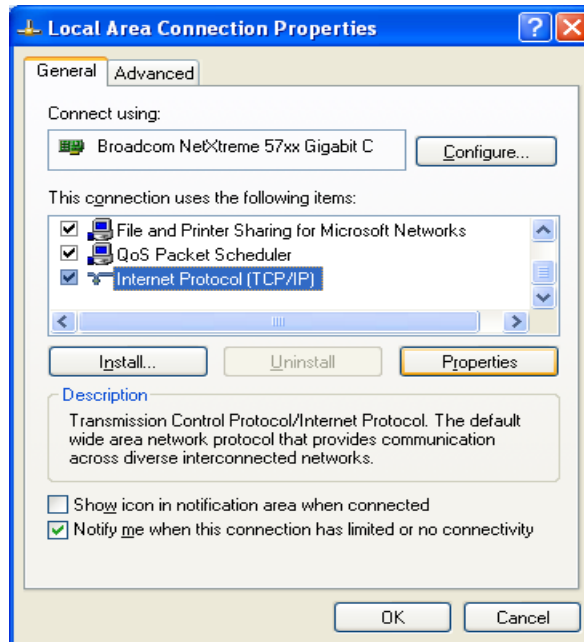


Figure 5

3. Select the TCP/IP as in Figure 4 and click “Properties”. Check the radio button “Use the following IP address” and enter “192.1.2.6” as your new IP address (Figure 5). The DNS server address is not necessary. Then press the OK button twice to close all open windows.

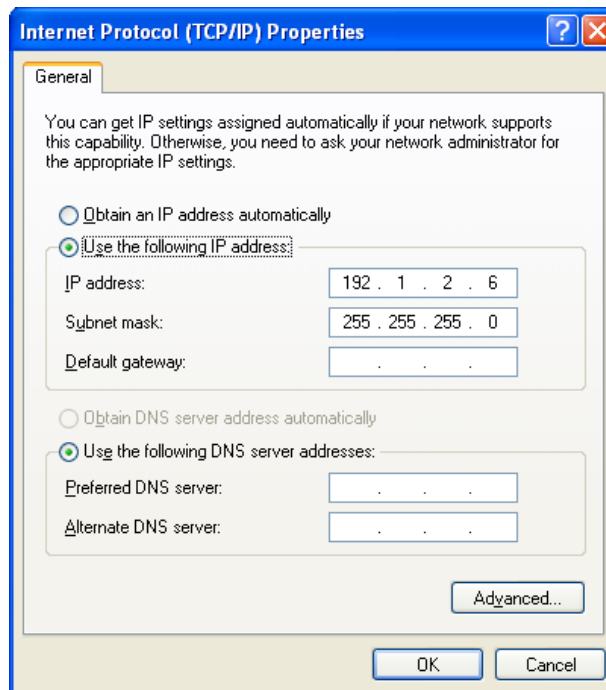


Figure 6

- In order to check if the connection is established, try to ping the ASEK IP address. Follow “Start-> Run” sequence from Desktop window of your PC. Type “cmd” calling a command window. Then type “ping 192.1.2.3”. If the response is time duration for sent packages between 2 devices, the communication is established. Otherwise, “Request timed Out” will be displayed.

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C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings:      ping 192.1.2.6

Pinging 192.1.2.6 with 32 bytes of data:

Reply from 192.1.2.6: bytes=32 time<1ms TTL=128
Reply from 192.1.2.6: bytes=32 time<1ms TTL=128
Reply from 192.1.2.6: bytes=32 time<1ms TTL=128
Reply from 192.1.2.6: bytes=32 time<1ms TTL=128

Ping statistics for 192.1.2.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
    
```

Figure 7

Upload Software GUI for ASEK-05-T-KIT

- In order to upload the software, register at the software portal <https://registration.allegromicro.com/login>

Revision History Table

Revision	Change Description	Res.	Page(s)	Date
-	Original release	NK	All	3/26/2015