

MityARM/MityDSP Virtual Machine Setup Procedure



Revision Status

| Revision | Revision Description | Author | Date |
|----------|----------------------|-------------|-----------|
| A | Original Release | T. Iskander | 3/28/2012 |

P-10117



1. Purpose and Scope:

This document is intended to help you get the Critical Link MityARM/MityDSP development Virtual Machine up and going.

1. Items Required:

| CL P/N 40-000045 | MityARM 335X Development Kit USB Flash drive SW 40- 000045. |
|--|--|
| VirtualBox | Oracle VirtualBox software (version 4.04 or higher is required) from www.virtualbox.org |
| VirtualBox 4.x Oracle VM VirtualBox Extension Pack. | The VirtualBox Extension pack is required to provide access to the host USB 2.0 devices from within a virtual machine. |

2. Assumptions:

This document assumes you have a PC with sufficient resources to run the VirtualBox software and a virtual machine that requires 2GB of physical RAM to run.

3. Procedure:

There are only a handful of steps needed to get the Critical Link MityARM/MityDSP development virtual machine running correctly.

- Install the VirtualBox software (version 4.04 or higher is required).
- Install the VirtialBox Extension Pack for your version of VirtualBox.
- Double click on the *mityarm-335x SDK.ova* file (or select **Import Appliance...** from the **File** menu in virtualBox and select the **mityarm-335x SDK.ova** file).



• When the **Appliance Import Settings** dialog appears, make sure to check the "*Reinitialize the MAC address of all network cards*" checkbox (see figure).

| Appliance Import Settings These are the virtual machines contained many of the properties shown by double- | in the appliance and the suggested settings of the imported VirtualBox machines. You can cha clicking on the items and disable others using the check boxes below. | ng |
|--|---|----|
| Description | Configuration | |
| Virtual System 1 | | |
| 😸 Name | mityarm-335x SDK_1 | |
| Description | Virtual Machine Image for developing on the Critical Link MityARM-335X platform. | |
| 🚱 Guest OS Type | 📝 Ubuntu | |
| CPU | 1 | |
| RAM | 2048 MB | |
| OVD | | |
| USB Controller | | |
| 🗭 Sound Card | ICH AC97 | |
| P Network Adapter | Intel PRO/1000 MT Desktop (82540EM) | |
| Nard Disk Controller (IDE) | РПХ4 | |
| Nard Disk Controller (IDE) | PIIX4 | |
| 4 🏈 Hard Disk Controller (SATA) | AHCI | |
| Q Vinteel Disk Image | E\VirtualBox_VMs\Machines\mityarm-335x SDK_1\mityarm-335x SDK-disk1.vmdk | |

• Click the Import button.



• After the machine is imported, select it in the VirtualBox Manager dialog, and click on the Network settings.



 In the Network Settings dialog, select the Name combo box and make sure you are using the correct network adapter for your machine.



| General | Network | | | |
|---|--|------------|--|--|
| System Display Storage Audio Network Serial Ports USB Shared Folders | Adapter 1 Adapter 2 Adapter 3 Adapter 4 Image: Construction of the second state of the second st | | | |
| | Select a settings category from the list on the left-hand side and move the mouse over a item to get more information. | a settings | | |

If you don't do this step, the Virtual Machine may not start until you do (depending on if the network hardware on your machine is the same or different than the PC the VM was created on).

- Click OK to save the changes to the Network setup.
- You can now start your Virtual Machine.
- If your version of Virtual Box is newer than the version the VM was created on (a very likely scenario), you will be prompted to update the VirtualBox Guest Additions. You should do this.