

## Driver Packs Available for CC4 Networks

### Driver Packs Available for CC4

We have recently introduced some new driver packs to increase the range of models that can be supported in the CC4 build console. Please use the instructions below to download the packs for your systems.

#### Step 1 - Download the SCCM Pack Summary

The [SCCM Pack Summary](#) contains links to Packs which are compatible with CC4, as well as LAN drivers for the build disk. The SCCM packs are ZIP files which can be downloaded, extracted, and then imported in the CC4 build console.

Download the pack summary and then find your model of machine in the list, for example, BOAMOT-476:

Desktops & All-In-Ones					
Stone Model	Description	Wired LAN Controller (For Windows PE)	WMI ComputerSystemProduct Vendor	WMI ComputerSystemProduct Name	SCCM Package Download Link
BOAMOT-465	Intel DQ77MK	Intel Pro 1000	oegstone	dq77mk	Use BOAMOT-436
BOAMOT-467	Asus Q87 CS-B	Intel Pro 1000	oegstone	cs-b	<a href="#">Click</a>
BOAMOT-468	Intel DQ77MK	Intel Pro 1000	oegstone	dq77mk	Use BOAMOT-436
BOAMOT-470	Asus Q87T	Intel Pro 1000	oegstone	q87t	<a href="#">Click</a>
BOAMOT-471	Asus H81T	Realtek	oegstone	h81t	<a href="#">Click</a>
BOAMOT-472	MSI H81I	Realtek	oegstone	h81i	<a href="#">Click</a>
BOAMOT-473	Asus Q87M-E	Intel Pro 1000	oegstone	q87m-e	<a href="#">Click</a>
<b>BOAMOT-476</b>	Asus H81M-P-SI	Realtek	oegstone	h81m-p-si	<a href="#">Click</a>

#### Step 2 - Download the Driver Pack

Download the driver pack by following the link in the SCCM column.

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BOAMOT-470	Asus Q87T	Intel Pro 1000	oegstone	q87t	<a href="#">Click</a>
BOAMOT-471	Asus H81T	Realtek	oegstone	h81t	<a href="#">Click</a>
BOAMOT-472	MSI H81I	Realtek	oegstone	h81i	<a href="#">Click</a>
BOAMOT-473	Asus Q87M-E	Intel Pro 1000	oegstone	q87m-e	<a href="#">Click</a>
BOAMOT-476	Asus H81M-P-SI	Realtek	oegstone	h81m-p-si	<a href="#">Click</a>

You will then be taken to a web page which shows you which operating systems have packs available, for example:

[oegstone.h81m-p-si.win8.1x64.zip](#)

[oegstone.h81m-p-si.win7x64.zip](#)

[oegstone.h81m-p-si.win8.1x86.zip](#)

[oegstone.h81m-p-si.win7x86.zip](#)

[Archive](#)

- Win8.1x64 - Windows 8.1, 64bit
- Win7x64 - Windows 7, 64bit
- Win8.1x86 - Windows 8.1, x86 or 32bit
- Win7x86 - Windows 7, x86 or 32bit

Download the pack that corresponds to the operating system that you are trying to run on your machines. Please note that Windows 8.1 is only supported on newer versions of CC4.

#### Step 3 - Import the Drivers from the Pack into Your Build Console

- Extract the contents of the ZIP pack file into a sub-folder.
- Follow your normal process to import the drivers into your RM build console from the sub-folder.

#### Step 4 - Find out Which Model of LAN Driver You Need for the Build Disk

In the SCCM Summary, it will tell you which brand or model of LAN Adapter driver you need for your system, for example, Realtek.

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BOAMOT-468	Intel DQ77MK	Intel Pro 1000	oegstone	dq77mk	Use BOAMOT-436
BOAMOT-470	Asus Q87T	Intel Pro 1000	oegstone	q87t	<a href="#">Click</a>
BOAMOT-471	Asus H81T	Realtek	oegstone	h81t	<a href="#">Click</a>
BOAMOT-472	MSI H81I	Realtek	oegstone	h81i	<a href="#">Click</a>
BOAMOT-473	Asus Q87M-E	Intel Pro 1000	oegstone	q87m-e	<a href="#">Click</a>
BOAMOT-476	Asus H81M-P-SI	<b>Realtek</b>	oegstone	h81m-p-si	<a href="#">Click</a>

## Step 5 - Now Download the Windows PE Driver for Your Build Disk

The Windows PE Driver is needed for your build disk. This is often a different version of driver than the driver for the Windows that will eventually run on the machine.

For example, if you are planning to deploy Windows 7 x64 on the machines (the target operating system), its likely that you will need the Windows 7 x86 driver for your build disk, unless you have a very new version of CC4.

Target Operating System	Windows PE Version	Driver Required for PE	Pack Availability
Windows 7 x86	Windows PE 2.0	x86 Windows Vista - only available for 2013 models and older.	Yes, for most models
Windows 7 x86	Windows PE 3.1, with CC4 Update 133	Windows 7 x86	Yes, for most models
Windows 7 x64	Windows PE 3.1	Windows 7 x86	Yes, for most models
Windows 8 x64	Windows PE 4.0, with CC4.5	Windows 8 x64	Most 2014 models and newer
Windows 8.1 x64	Windows PE 5.0, with CC4.5	Windows 8.1 x64	Most 2014 models and newer

**Reminder:** Once you have added a new build disk driver, don't forget to re-make the build disk so that it includes the new versions.

### Sample Windows PE LAN Driver Chart from the SCCM Pack Summary

Windows PE LAN Drivers							
LAN Driver Make / Model	Description	Last Updated	Vista x86	Windows 7 x86	Windows 7 x64	Windows 8.1 x86	Windows 8.1 x64
Realtek	LAN Driver for Modern RTL NIC	January 2015.	<a href="#">Click</a>	<b><a href="#">Click</a></b>	<a href="#">Click</a>	<a href="#">Click</a>	<a href="#">Click</a>
Intel Pro 1000	LAN Driver for Pro 1000 Controllers	January 2015; with the exception of the Vista driver, which was updated 7/2013	<a href="#">Click</a>	<a href="#">Click</a>	<a href="#">Click</a>	<a href="#">Click</a>	<a href="#">Click</a>

Download the Windows PE / Build Disk driver that you need by clicking on the link in the SCCM pack summary, as above.

**Please note:** Windows Vista drivers are not regularly updated by component manufacturers any more. This means that build disk drivers may not be available if you are deploying Windows 7 x86 on older versions of CC4, where you need a Windows Vista build driver. This particularly affects machines with Intel network cards as support has not been updated since mid-2013. In this situation, you will either need machines with a Realtek based adapter, or preferably you may need to update your version of CC4 (to Update 133 or newer) and/or build for Windows 7 x64 instead. Examples include the Stone (Asus) CS-B system (BOAMOT-467) and Stone (Asus) Q87-T based system (BOAMOT-467) as the Intel Vista LAN adapter driver does not support these systems.

## Step 6 - After the System is Built, Install any Remaining Drivers

On some systems - mainly notebooks - there are some drivers, called non-INF drivers, which cannot be added to the CC4 build console. To use these drivers you will need to manually download them for your model from the [Stone Driver Finder](#) and then install them onto your built system.

Types of driver include:

- Hotkey software (needed for the onscreen display functionality on many Stone notebooks)
- Touchpad drivers
- Some camera drivers

- Intel Bluetooth drivers and software

## Frequently Asked Questions

### Which INF files do I need to Import from the Packs?

Most driver packages now include a small text file which tells you exactly which driver files you need to import into your build console. When about to import drivers, we recommend you print the list and work through it. Whilst most lists are quite short, it is important not to miss a driver, to ensure that you have no "Unknown Devices" in Device Manager at the end of the build process.

Name ^	Type
ACPI	File folder
ASMEDIA_USB3	File folder
CHIPSET	File folder
HDMI	File folder
MEI	File folder
RTL_AUDIO	File folder
RTL_LAN	File folder
VGA	File folder
README.txt	Text Document

### What If I Need Help Installing Drivers or to Build My Machine?

Please contact Stone support. We will be happy to help you with through the process.

### Are the Build Disk Drivers Digitally Signed?

All drivers - including the Windows PE Drivers for the build disk - are digitally signed. We recommend that when adding drivers, tick the option box for "Digitally Signed Driver" where possible.

### What BIOS Settings Should I Use?

The best BIOS settings vary from model to model, but here are some general recommendations for building systems onto CC4 if you are deploying Windows 7.

<b>SATA Controller Configuration</b> AHCI Mode > <b>Enabled</b>	It is recommended to have AHCI turned on (as opposed to IDE mode) as this gives the best performance, especially with SSD based systems.
<b>Boot Options</b> Secure Boot > <b>Disabled</b>  <b>or</b> <b>Advanced Options</b> Windows 8 Configuration > Secure Boot > <b>Disabled</b>	Secure boot is an option for Windows 8. This needs to be disabled for Windows 7 based systems.
<b>Boot Options</b> UEFI Mode > <b>Disabled</b>	UEFI mode is an option mainly for Windows 8 systems or systems with very large hard drives. It is recommended that UEFI is disabled for Windows 7.
<b>Advanced Options</b> Windows 8 Features > <b>Disabled</b>	Some BIOSes have one overall setting for Windows 8 – Windows 8 Features. We recommend that these are disabled for Windows 7.

### What If There is No Pack Available for My Model?

Please contact your Stone account manager or Stone Support if your model is not listed as we may be able to add support for it. Known models for which there is no pack available include the Stone Classmate 3.

Applies to:

- Stone Desktop and Laptop PCs with CC4 / SCCM pack support (generally 2011 models and newer). (Last Updated 1/12/16).

<https://kb.stonegroup.co.uk>

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