

## **Executive Summary**

Technical Bulletin:

This procedure explains how to format a USB flash drive with RUFUS and an .iso image for imaging or reimage an Elo AIO/ECM system.

## Steps:

- 1. Download RUFUS from here: <u>http://rufus.akeo.ie/</u> (**Note**: Elo not responsible for the support of the RUFUS software you can use a different .iso to USB software if you want).
- 2. Place a 16GB or larger USB flash drive into USB port of a Windows computer.
- 3. Open RUFUS and find the USB flash drive from the Device drop-down menu.

🔗 Rufus 3.1.1320	- • <b>×</b>
Drive Properties —	
Device	
NO_LABEL (K:) [4GB]	•
NO_LABEL (K:) [4GB]	
G (G) [16GB]	
UsbStorage (I:) [16GB]	
Partition scheme	Target system
MBR	BIOS (or UEFI-CSM)
$\bigtriangledown$ Show advanced drive properties	
Format Options	
Format Options —	
Volume label	
4GB	
File system	Cluster size
FAT32	4096 bytes (Default) 🔹
Show advanced format options	
Status —	
READ	/
READ.	
S) (i) ≵ 🔳	START CLOSE
3 devices found	

4. Choose the *SELECT* button and navigate to your .iso file. Choose *Open*.

🖉 Rufus 3.1.1320	3
Drive Properties	FSCapture
Device G (G) [166B] Boot selection Disk or ISO image (Please select)	Open     Open     Operating Systems      ECMG2     Operating Systems      ECMG2
Partition scheme Target system MBR BIOS (or UEFI-CSM) Show advanced drive properties	Organize • New folder     III • IIII • III • IIII • III • IIII • IIII • IIII • IIII • IIII • IIII • III • III • III •
Format Options	Computer     Windows (C:)     ✓ iSwin7 (D:)     G (C)     G (G:)     UsbStorage (L)     ZenDota (X)     ✓      III
READY START CLOSE	File name: ECMG2_E161301_REV-B_W10_64BIT.iso  File name: ECMG2_E161301_REV-B_W10_64BIT.iso Copen Cancel
No image selected	

Technical Bulletin: TB20180709 Rev. A – How to use a .iso with RUFUS

5. A warning message will appear, choose OK.

spear, cho	JSC <b>OR</b> .	
Removable Disk (G:)	► ► Search Removable D	isk (G:) 🔎
Burn New fol	der	. 0
Format Removable	Disk (G:)	<b>^</b>
Capacity:		
14.6 GB	▼	E
File system		
NTFS	<b>•</b>	
Allocation unit size		
4096 bytes	<b>•</b>	
Restore device defa	ults	
	Format Removable Disk (G:)	×
ECMG2_W10	WARNING: Formatting will erase ALL data	on this disk.
Format options	To format the disk, click OK. To quit, click O	ANCEL.
Quick Format	ОК	Cancel
S	tart Close	

 Rename the Volume label to desired name. Choose NTFS from the File system menu and choose START. Formatting will then begin, and files will start copying. Be patient, this could take 30minutes or more.

A Rufus 3.1.1320	🔗 Rufus 3.1.1320
Drive Properties	Drive Properties
Device	Device
G (G:) [16GB]	G (G:) [16GB]
Boot selection	Boot selection
ECMG2_E161301_REV-B_W10_64BIT.iso V SELECT	ECMG2_E161301_REV-B_W10_64BIT.iso 🔻 🔗 SELECT
Partition scheme Target system	Partition scheme Target system
GPT ▼ UEFI (non CSM) ▼ ?	GPT ▼ UEFI (non CSM) ▼ ?
△ Hide advanced drive properties	△ Hide advanced drive properties
List USB Hard Drives	List USB Hard Drives
Add fixes for old BIOSes (extra partition, align, etc.)	Add fixes for old BIOSes (extra partition, align, etc.)
Use Rufus MBR with BIOS ID 0x80 (Default)	Use Rufus MBR with BIOS ID 0x80 (Default)
Format Options	Format Options
Volume label	
ECMG2_W10	FCMG2 W10
File system Cluster size	File cystem Cluster size
NTFS	NTFS
△ Hide advanced format options	
✓ Quick format	Quick format
Create extended label and icon files	Create extended label and icon files
Check device for bad blocks	Check device for bad blocks
Status	Status
READY	Copying ISO files
Start Close	S ① 葦 ■ START CANCEL
Using image: ECMG2_E161301_REV-B_W10_64BIT.iso	G:\EFI\Microsoft\Boot\Fonts\chs_boot.ttf (3.5 MB) 00:00:45

7. When files are finished copying you will get a message in the Status section of RUFUS stating *READY*. Choose the *CLOSE* button and remove the USB flash drive from the computer.

🖋 Rufus 3.1.1320	
Drive Properties	
Drive Hoperties —	
ECMC2 E161201 REV R W10 64R	
ECMIG2_E101501_KEV-B_VV10_04B	
Partition scheme	Target system
GPT •	UEFI (non CSM)
Hide advanced drive properties	;
List USB Hard Drives	
Add fixes for old BIOSes (extra	partition, align, etc.)
Use Rufus MBR with BIOS ID	0x80 (Default)
Format Options	
Volume label	
Drive_K	
File system	Cluster size
NIFS	4096 bytes (Default)
△ Hide advanced format options	
Quick format	
Create extended label and icon	files
Check device for bad blocks	1 pass 🔹
Status —	
REAL	γ
S9 (ì ≵ 🔳	START CLOSE
3 devices found	00:18:30

Technical Bulletin: TB20180709 Rev. A – How to use a .iso with RUFUS

## 8. Insert USB flash drive into a USB port on the Elo AIO/ECMG computer.

- a. Startup up the computer.
- b. When the *Setup icon* appears in the upper right corner, touch it to enter BIOS.
- c. Navigate to the **BOOT** section and make the USB flash drive the **#1 BOOT device**.



- d. Go to the *Exit tab* and choose *Save Changes and Exit*.
- e. Computer will boot up to the splash screen. Then a confirmation box will appear asking if you are sure? Press **OK** to continue.



f. Choose Install Recovery Solution.



g. Choose Test Hardware.

Current Disk Stats	119 68	Current Available Disk	
Current Disk Usedi	26 68	Space Requirements:	Not Verified
r Installation Status			
			-
	-		
	-		and shared in the
			Tell Hardwart
			a anna - Il
Tubeget, pleann pre	n Dest norden	re] to confirm installation red	an a comunitate

h. You should receive a message stating that the test passed. Choose Start

Time Bapsed:		Start
-Information-		
Target WIM files Uncompressed O Required recove OS runtime size	E161301_Rev-B_W10_64. DS size: 28648 MB, 27.98 G ry partition size: 11 GB. (approximate): 30 GB of rei	.wim, 38. maining second partition,
Press [Start] to co	ntinue.	
IMPORTANT: Do r	not remove thumb drive unti	l installation completes.
		1 - C 1 01 0071

i. A dialog box will appear asking you to confirm the install recovery solution. Choose YES



j. Recovery should then begin. Be patient, it may take 30-45 minutes to complete. When completed, remove USB flash drive.