



AIMdefense Software Installation

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1. Download AIMdefense-Software

Download the respective software in the download area on the homepage www.Aimdefense.tech. To create a bootable USB stick, please download the software AIMdefense-24.7.8_8-serial-amd64.img.bz2.

Attention: Only download the adapted software if you have an AIMdefense FW 600. → AIMdefense-24.7.8_8-FW-600-serial-amd64.img.bz2

2. Download Rufus

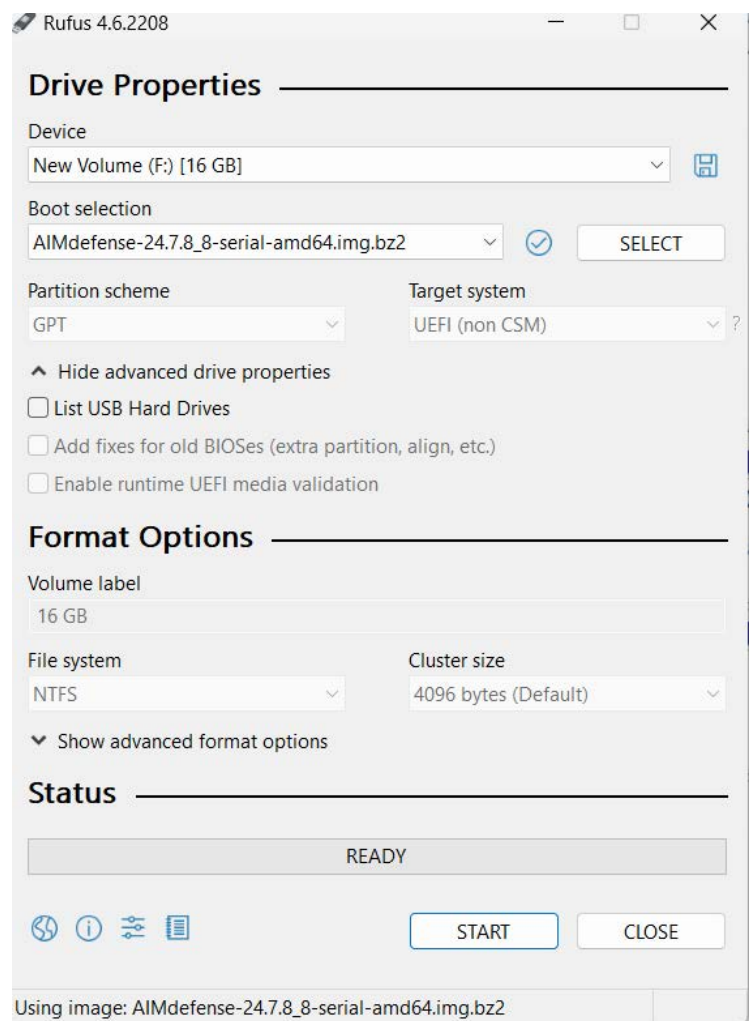
Download the program rufus-4.6.exe from the homepage <https://rufus.ie/de/>.

3. Create bootable Stick

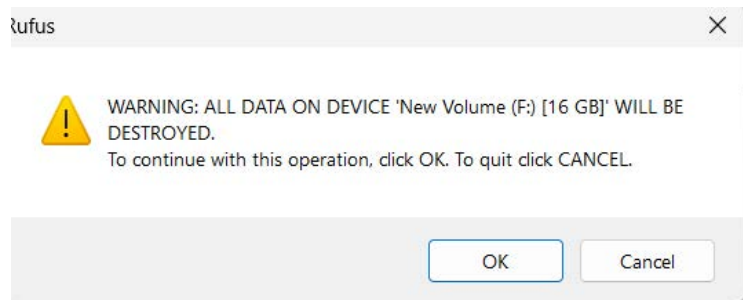
First connect the empty USB stick and start the program.

For drive properties: select the AIMdefense software under boot selection.

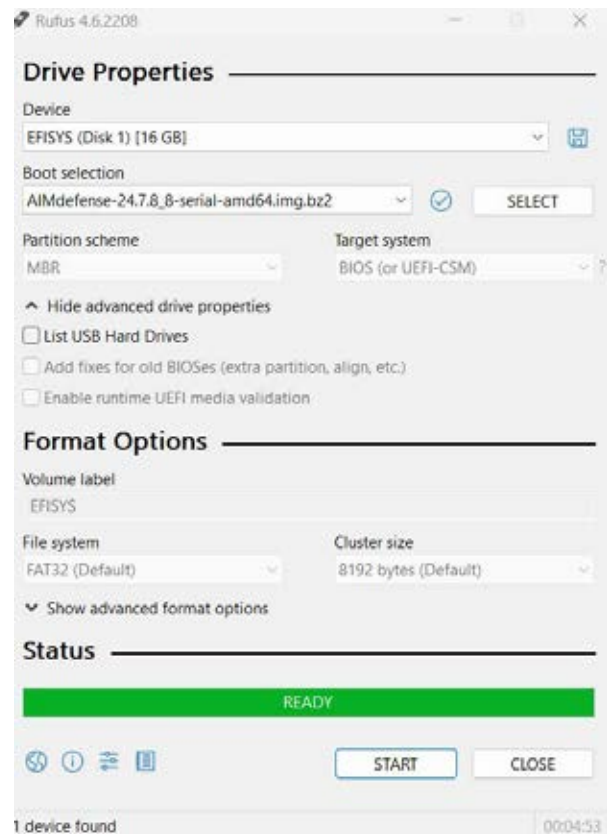
Now click on **START** for the process to begin.



Attention: confirm this warning with **OK**.



After the creation is finished, the USB stick can be removed from the computer.



4. Make device bootable

When restarting the device, you have to press the Delete key several times to get into the BIOS area. You will see this display with “Entering Setup...”

```
COM7 - PuTTY

Version 2.19.1266. Copyright (C) 2020 American Megatrends, Inc.
NCB-1515 BIOS V1.15(07/27/2020)
Press <Tab> or <DEL> to enter setup.
Entering Setup...
```

In the BOOT area, click on Boot Option and define the respective USB stick as first bootable device.

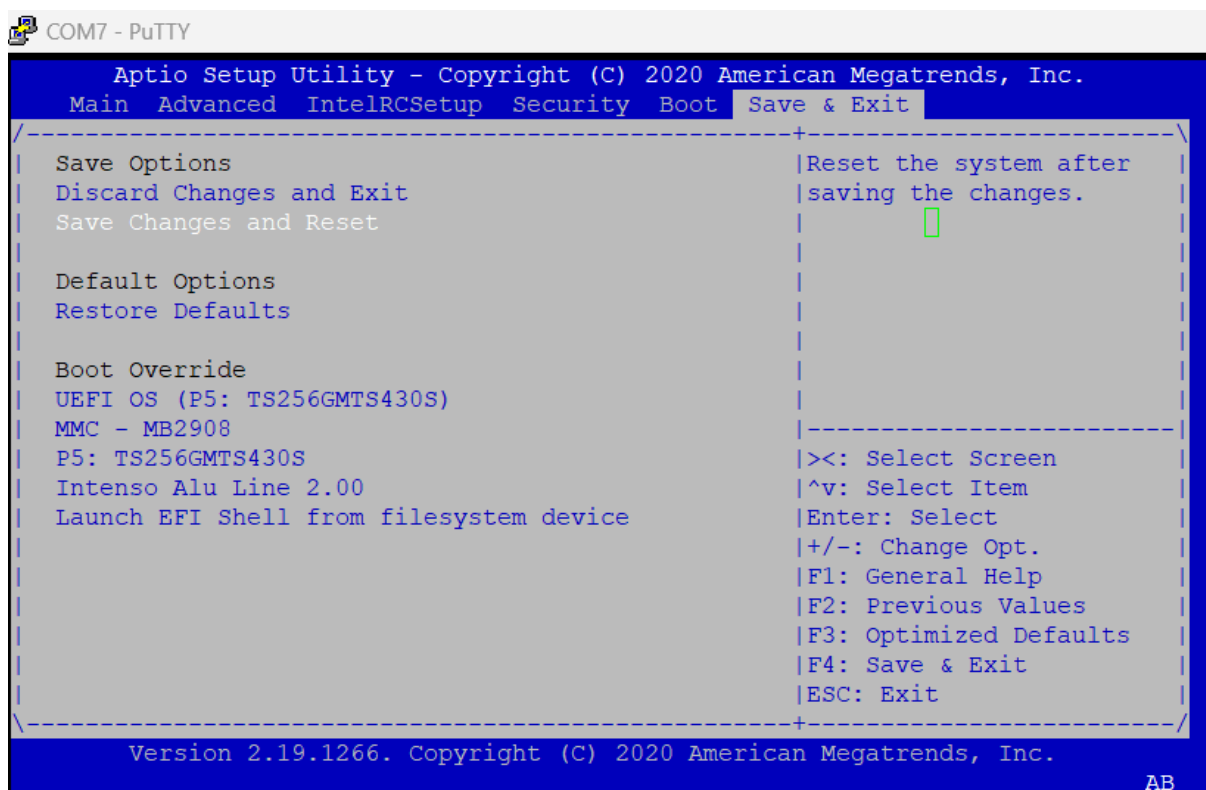
```
COM7 - PuTTY

Aptio Setup Utility - Copyright (C) 2020 American Megatrends, Inc.
Main Advanced IntelRCSetup Security Boot Save & Exit

+-----+
| Boot Configuration                                     ^|Sets the system boot | | |
| Setup Prompt Timeout           5                     *|order                |
| Bootup NumLock State           [On]                   *|                    |
| Quiet Boot                     [Disabled]              *|                    |
|                               *|                    |
| Boot mode select               [DUAL]                  *|                    |
|                               *|                    |
|                               *|                    |
| FIXED BOOT ORDER Priorities                          *|                    |
| Boot Option #1                 [USB Device:Intenso Alu *|                    |
|                               Line 2.00]                *|-----+-----+    |
| Boot Option #2                 [UEFI Hard Disk:UEFI OS *|><: Select Screen   |
|                               (P5: TS256GMTS430S)]        *|^v: Select Item     |
| Boot Option #3                 [UEFI CD/DVD]            *|Enter: Select      |
| Boot Option #4                 [UEFI Network]          *|+/-: Change Opt.   |
| Boot Option #5                 [Hard Disk:MMC - MB2908] +|F1: General Help   |
|                               *|                    | +|F2: Previous Values|
| Boot Option #6                 [UEFI USB Device]        +|F3: Optimized Defaults|
| Boot Option #7                 [CD/DVD]                 v|F4: Save & Exit    |
|                               *|ESC: Exit              |
+-----+

Version 2.19.1266. Copyright (C) 2020 American Megatrends, Inc.
AB
```

Then click on “Save Changes and Reset” to save everything.



Now the bootable software will boot with the respective software.

5. Install AIMdefense

Below you will find the detailed instructions.

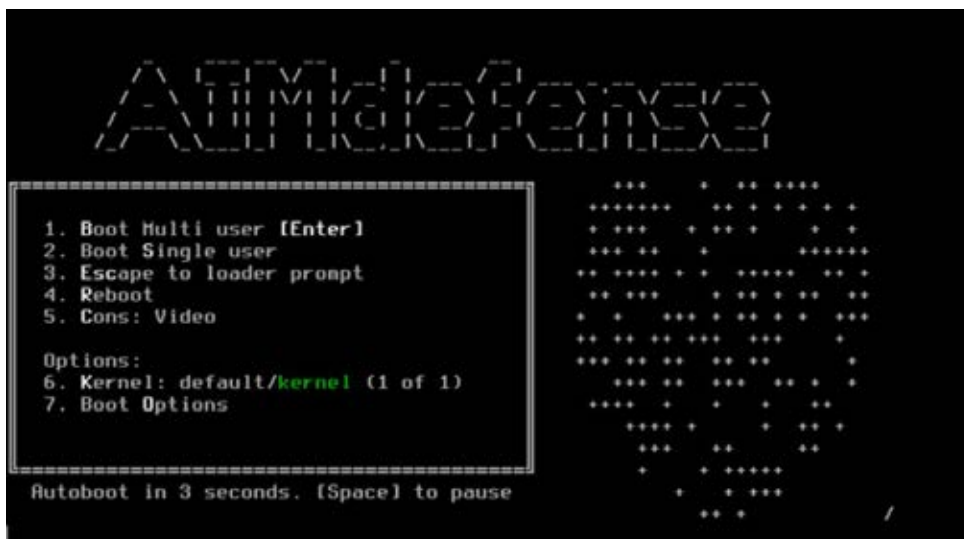
Installation of the ISO file AIMdefense from the USB stick on the device:

Connect the device to a PC using the appropriate console cable.

Connect the USB stick to a free USB port on the device.

Switch the device "On".

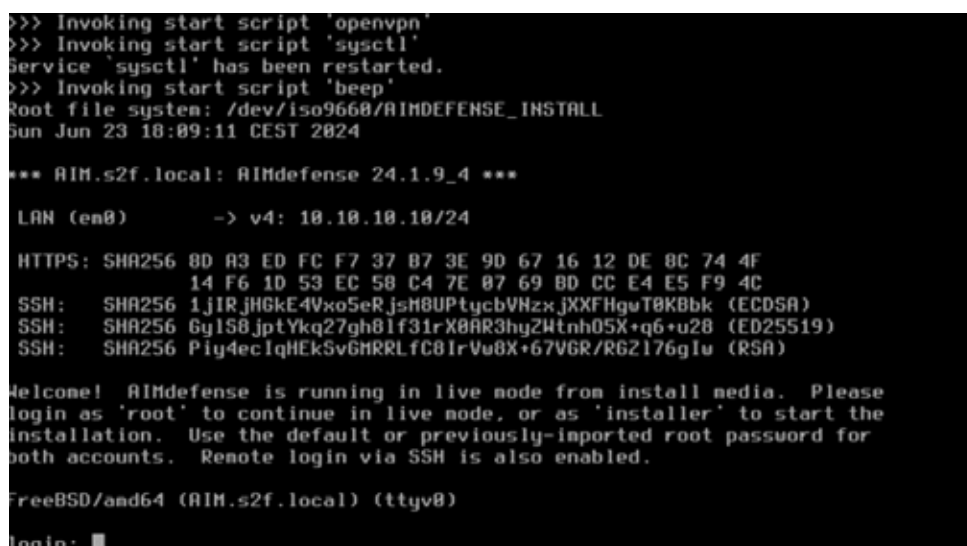
The device will now boot from the USB stick.



The following installation screen appears.

When **logging in**: please enter "**installer**" and confirm with Enter.

For **password**: please enter "**sysadm**" and confirm with Enter.



Select the preferred language and confirm with **"Select"**.

```

lqqqqqqqqqqqqqqqqqqqqqqqqqqqqKeymap Selectionqqqqqqqqqqqqqqqqqqqqqqqqqq
x The system console driver for AIMdefense defaults to standard x
x "DE" x
x keyboard map. Other keymaps can be chosen below. x
x lqqqq: (-)qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq x
x x( ) Estonian x x
x x( ) Finnish x x
x x( ) French x x
x x( ) French (MacBook/MacBook Pro) (accent keys) x x
x x( ) French (accent keys) x x
x x( ) French Canadian (accent keys) x x
x x( ) French Dvorak-like x x
x x( ) French Dvorak-like (accent keys) x x
x x(*) German x x
x x( ) German (accent keys) x x
x mqqqqq!(+)qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq35qqqqqq x
x qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq x
t Select <Cancel> x
mqqqqqqqqqqqqqqqqqqqqqq[Press arrows, TAB or ENTER]qqqqqqqqqqqqqqqqqqqq

```

Please confirm “**Keymap**”
with “**Cancel**”.

```
lqqqqqqqqqqqqqqqqqqqqqqqqKeymap Selectionqqqqqqqqqqqqqqqqqqqqqqqqq
x The system console driver for AIMdefense defaults to standard      x
x "DE"                                                                x
x keyboard map. Other keymaps can be chosen below.                  x
x lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq x
x x->> Continue with de.kbd keymap                                    x
x x-- Test de.kbd keymap                                              x
x x() Armenian phonetic layout                                       x
x x() Belarusian                                                     x
x x() Belgian                                                         x
x x() Belgian (accent keys)                                          x
x x() Brazilian (accent keys)                                         x
x x() Brazilian (without accent keys)                                x
x x() Bulgarian (BDS)                                                 x
x x() Bulgarian (Phonetic)                                           x
x mqqqqq(+)qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqlllqqqqqq]
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
[Select] [Cancel]
mqqqqqqqqqqqqqqqqqqqqqqq[Press arrows, TAB or ENTER]qqqqqqqqqqqqqqqqqq
```

Select **"Install (ZFS) ZFS GPT/UEFI Hybrid"** and confirm with **"OK"**.

```

lqqqqqqqqqqqqqqqqqqqqAIMdefense 24.lqqqqqqqqqqqqqqqqqqqq
x Choose one of the following tasks to perform. x
x lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x x      install (UFS)      UFS GPT/UEFI Hybrid      x x
x x      Install (ZFS)      ZFS GPT/UEFI Hybrid      x x
x x      Other Modes >>    Extended Installation    x x
x x      Import Config      Load Configuration      x x
x x      Password Reset     Recover Installation     x x
x x      Force Reboot       Reboot System            x x
x mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqj x
x
x
x
x
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
x      < OK >      < Exit >
mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq

```


Select ZFS pool
“zroot” and
confirm with “OK”.

```
lqqqqqqqqqqqqqqqZFS Configurationqqqqqqqqqqqqqqqqk
x Select Virtual Device type:
x lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x x stripe Stripe - No Redundancy x
x x mirror Mirror - n-Way Mirroring x
x x raid10 RAID 1+0 - n x 2-Way Mirrors x
x x raidz1 RAID-Z1 - Single Redundant RAID x
x x raidz2 RAID-Z2 - Double Redundant RAID x
x x raidz3 RAID-Z3 - Triple Redundant RAID x
x mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq]
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
x < OK > <Cancel>
mqqqqqqqqqq[Press arrows, TAB or ENTER]qqqqqqqqqqq]
```

Select "Stripe-No
Redudancy" and
confirm with "OK".

```
lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x x[*] ada0 YSMH-128 x
x x[ ] da0 Generic- SD/MMC/MS PRO x
x x[ ] mmc0 MMCHC DG4008 0.1 SN 9F089627 MFG 11/2022 by 69 0x0000 x
x x[ ] mmc0boot0 MMCHC DG4008 0.1 SN 9F089627 MFG 11/2022 by 69 0x0000 x
x x[ ] mmc0boot1 MMCHC DG4008 0.1 SN 9F089627 MFG 11/2022 by 69 0x0000 x
x mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq]
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
x < OK > < Back >
mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq]
```

Select the
appropriate hard
drive using the
space bar and
confirm with “OK”.

```
lqqqqqqqqqqqqqqqqqqqqZFS Configurationqqqqqqqqqqqqqqqqk
x Last Chance! Are you sure you want to destroy x
x the current contents of the following disks: x
x x x x
x ada0 x
x x x
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
x < YES > < NO > x
mqqqqqqqqqqqq[Press arrows, TAB or ENTER]qqqqqqqqqqq]
```

Select “YES” and
confirm with
“ENTER”.

```
lqqqqqqqqqqqqqqqqqqFinal Configurationqqqqqqqqqqqqqqqqk
x Setup of your AIMdefense system is nearly x
x complete. x
x lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk x
x x Root Password Change root password x x
x x Complete Install Exit and reboot x x
x mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq] x
x x x
x x x
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
x < OK > x
mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq]
```


Select “**Exit and reboot**” and confirm with “**OK**”. The device restarts automatically.

```
The installation finished successfully.

After reboot, open a web browser and navigate to
https://10.10.10.10 (or the LAN IP address). The console
can also be used to set a different LAN IP.

Your browser may report the HTTPS certificate as untrusted
and ask you to accept it. This is normal, as the default
certificate will be self-signed and cannot be validated by
an external root authority.

Rebooting in 5 seconds. CTRL-C to abort.....
Waiting (max 60 seconds) for system process 'vnlrn' to stop... done
Waiting (max 60 seconds) for system process 'syncer' to stop...
Syncing disks, vnodes remaining... 0 0 0 0 0 0 done
All buffers synced.
Uptime: 22m47s
umass0: detached
uhub0: detached
```

If the message “**Uptime**” appears, please remove the USB stick from the USB port on the device.

```
*** AIM.s2f.local: AIMdefense 24.1.9_4 ***

LAN (igb0)      -> v4: 10.10.10.10/24
WAN (igb1)      ->

HTTPS: SHA256 8D A3 ED FC F7 37 B7 3E 9D 67 16 12 DE 8C 74 4F
              14 F6 1D 53 EC 58 C4 7E 07 69 BD CC E4 E5 F9 4C

FreeBSD/amd64 (AIM.s2f.local) (ttyu0)

login: 
```

The login screen appears.

The default user is “**root**”.

The default password is “**sysadm**”.

The default IP address for AIMdefense is 10.10.10.10 .