

## FAQ - Frequently Asked Questions

### 10.1" Industry Tablet PC

#### PXE boot on Agile X IS series

- Required hardware
- BIOS setup

#### Relevant for

- Agile X IS

Status: November 2020

**Reservation:** Technical data subject to change without notice. Changes, errors and misprints may not be used as a basis for any claim for damages.



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# 1. Information of this FAQ



## Read carefully before commissioning the device.

The FAQ is an additional description to the available user manual and part of the device. The FAQ is directed at all persons who are entrusted with handling the device. Knowledge of the safety instructions and warnings in this FAQ and strict compliance with them is essential for safe handling.

- Carefully read the FAQ and especially the safety instructions before using the device.
- Make the FAQ accessible to all people who are entrusted with handling the device.

Warnings are used in this User Manual to warn of the risks of damage to property and personal injuries.

Symbol	Explanation
	Important advice and information for the effective, efficient and environmentally sound use of the product.
✓	Condition that must be met before the subsequent actions can be performed.
▶	Individual steps you must take.
1., 2., ...	Various steps to be performed in the order specified.
➔	Indication of the results of a step or of several steps for monitoring success.

## 1.1 Reference documents



All documents are available online from the following websites:

- BARTEC: [www.bartec.com](http://www.bartec.com) or <http://automation.bartec.de>

Document BARTEC	Explanation
Quick Start Guide of: <ul style="list-style-type: none"> <li>• Agile X IS</li> </ul>	<u>It contains:</u> <ul style="list-style-type: none"> <li>• Guidelines on commissioning and the safe use of hand-held scanners (including installation, safety information related to explosion protection and information regarding programming)</li> </ul>

Document BARTEC	Explanation
User Manual of: <ul style="list-style-type: none"><li data-bbox="518 286 667 320">• Agile X IS</li></ul>	<u>It contains:</u> <ul style="list-style-type: none"><li data-bbox="884 286 1447 465">• All essential information for the user to make full use of the device. This manual includes a description of the system functions and capabilities, contingencies and modes of operation, and step-by-step procedures for system access and use.</li><li data-bbox="884 479 1447 618">• Guidelines on commissioning and the safe use of hand-held scanners (including installation, safety information related to explosion protection and information regarding programming)</li></ul>

## 2. About PXE

PXE = Preboot Execution Environment

The Agile X IS series support the PXE boot mode.

The following instruction provides information about required equipment and BIOS setup.

## 3. Notes to PXE

First, check that your PXE server supports **UEFI** or **LEGACY** or both.

This information is required for correct setup.

The settings on Agile X IS series and your PXE server must be identical that PXE boot can work correct.

## 4. Required software and hardware

Agile X IS series only support Ethernet and must use one of the following accessories to setup and proceed PXE.

### 4.1 Required software

We recommend to use the latest available BIOS version for this devices.


The latest version is listed on BARTEC support & Download page.

<https://automation.bartec.de/tabletpcE.htm>

Select your product and go to section Driver. There you will find a Note what BIOS version is currently available.

If you have an older version you can use the contact information on same page to request the latest BIOS version.

## 4.2 Required hardware

	<p><b>Docking station</b> Type 03-9914-0022 SAP 407990</p> <p>Compatible with:</p> <ul style="list-style-type: none"><li>• Agile X series</li><li>• Agile S series (only with latest hardware version)</li><li>• Agile X IS series</li></ul>
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## 4.3 Important note for connection of keyboard and mouse

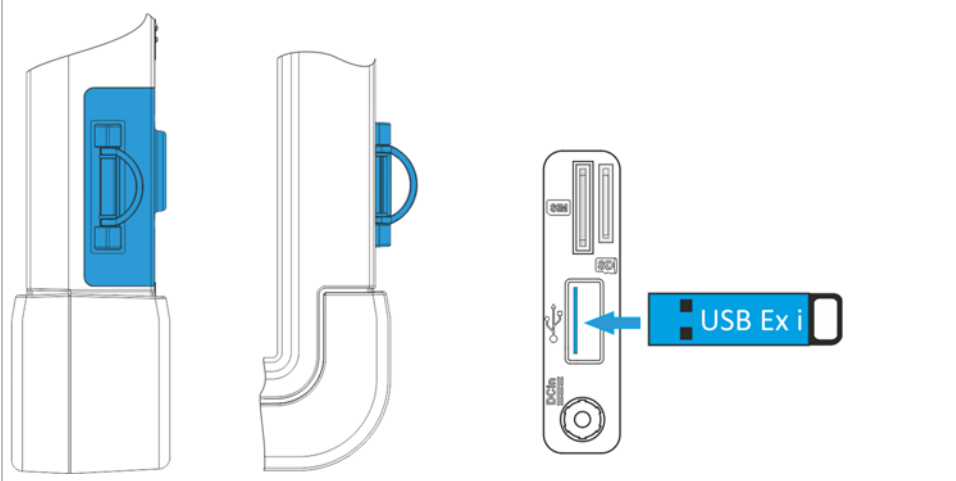
When using mouse and keyboard, make sure that the USB port on the Agile X IS can only be used with Ex approved accessories.

Use of USB Hub is not allowed!

**WARNING**

Improper use of USB port on Agile X IS can damage the device.

- ▶ Only use the BARTEC USB stick (Type 17-A1Z0-0027) for data exchange via the USB port.
- ▶ Don't connect keyboard or mouse directly to the Ex i USB port.



Not allowed  
Wrong connection via USB  
hub on Ex i USB port

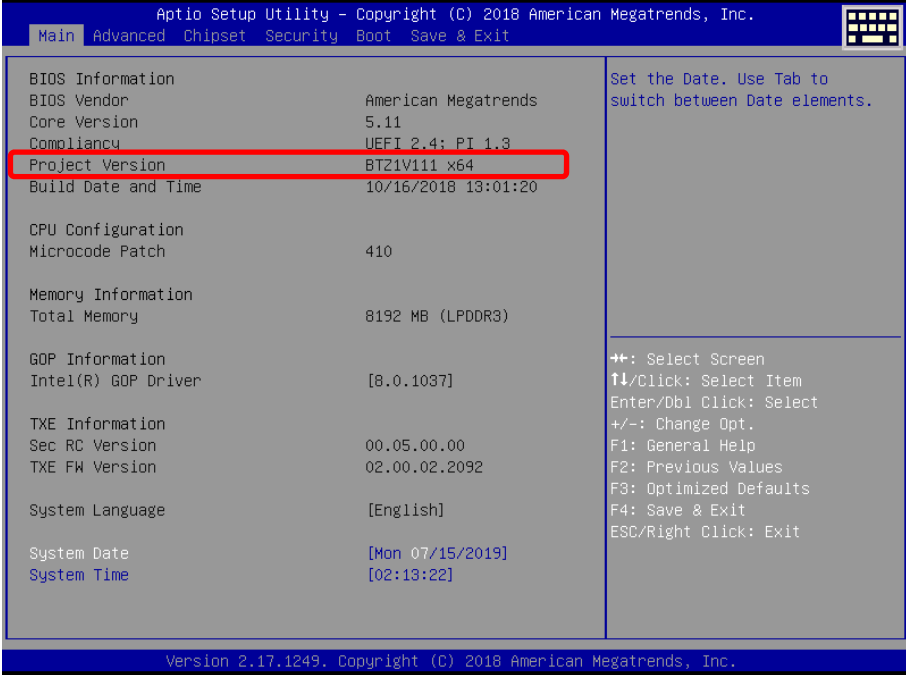
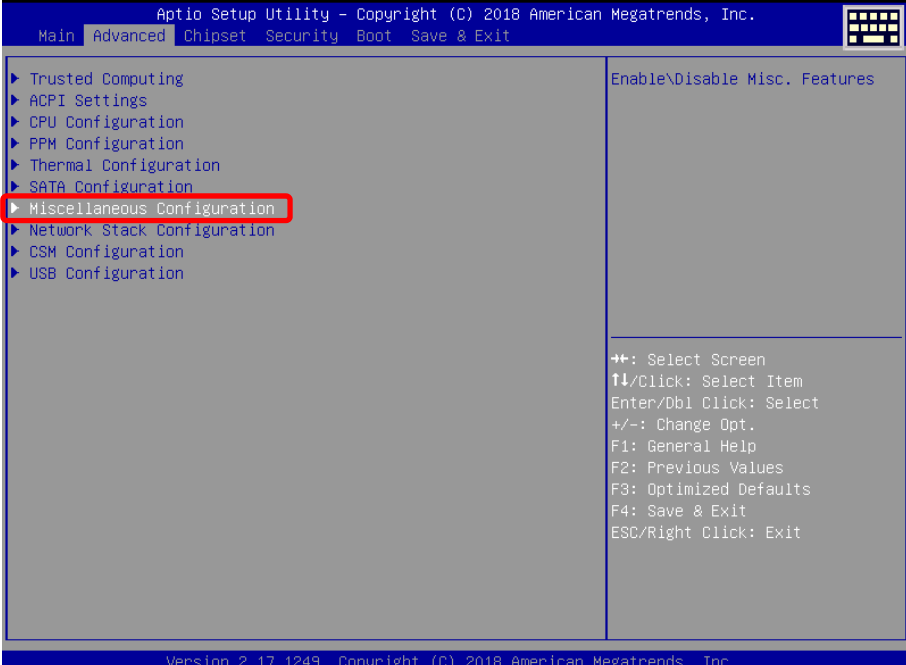


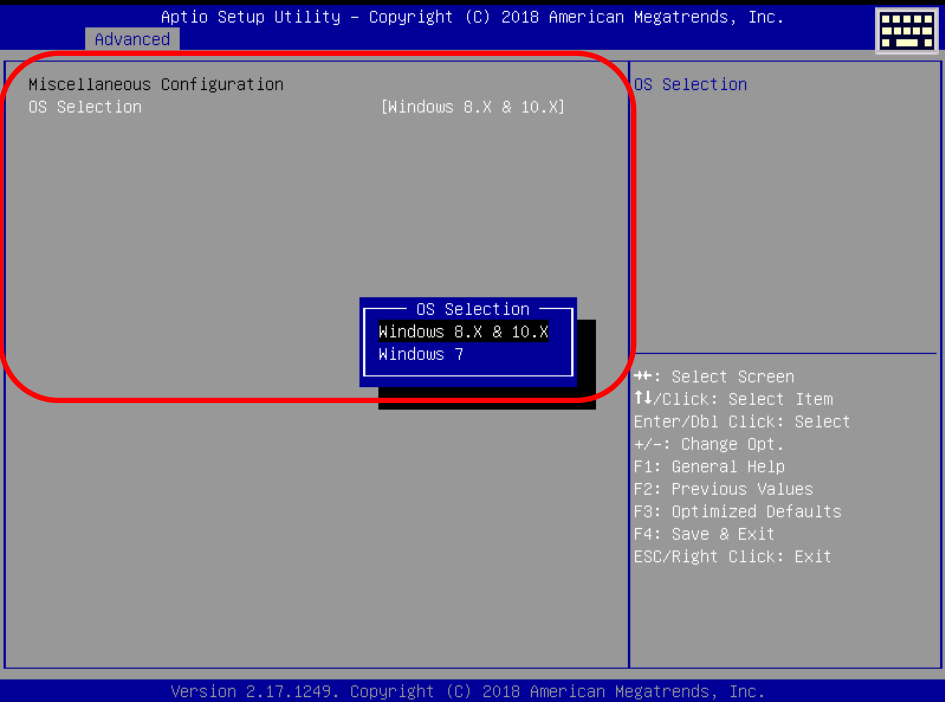
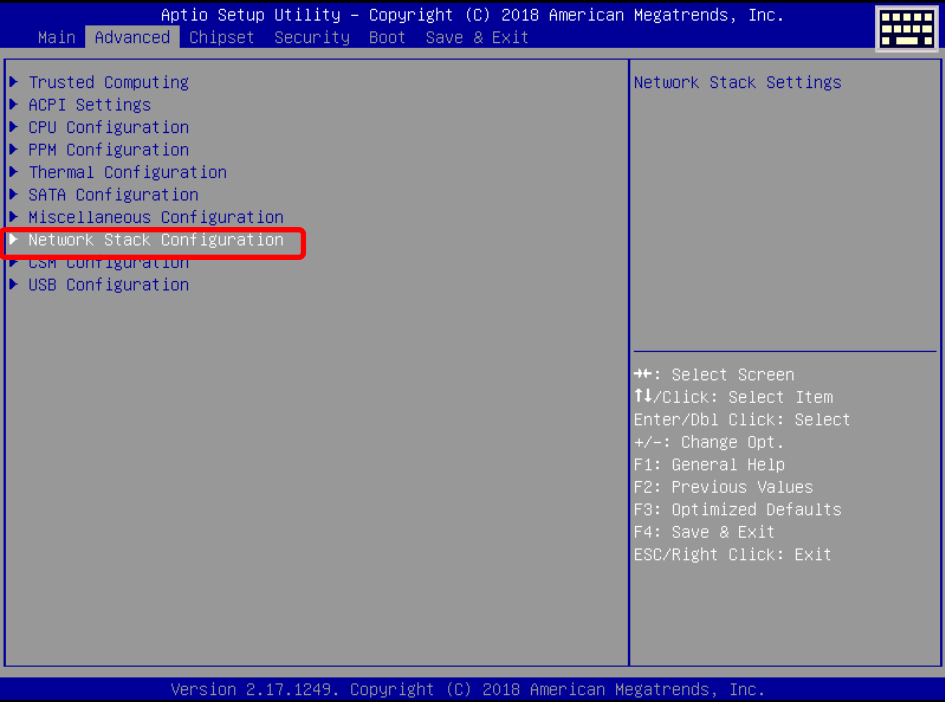
Correct connection via  
docking station





## 5. PXE – BIOS setup

1.	Connect external keyboard to the Agile X IS via docking station.
2.	Start or restart the device and enter BIOS. Press “DEL”/“ENTF” key in start screen with BARTEC logo.
3.	Check that BIOS version is v1.08 or later. <i>(picture shows example for BIOS version v1.11)</i>
	 <p>The screenshot shows the Aptio Setup Utility interface. The 'Main' tab is selected. The 'Project Version' is highlighted with a red box and shows 'BT21V111 x64'. The 'System Date' is 'Mon 07/15/2019' and 'System Time' is '02:13:22'. The bottom of the screen displays 'Version 2.17.1249. Copyright (C) 2018 American Megatrends, Inc.'</p>
4.	Go to “Advanced” and select “Miscellaneous Configuration”
	 <p>The screenshot shows the Aptio Setup Utility interface with the 'Advanced' tab selected. The 'Miscellaneous Configuration' option is highlighted with a red box. The 'System Date' is 'Mon 07/15/2019' and 'System Time' is '02:13:22'. The bottom of the screen displays 'Version 2.17.1249. Copyright (C) 2018 American Megatrends, Inc.'</p>

<p>5.</p>	<p>Go to "OS Selection" and select your operating system. Windows 8.X =&gt; for Windows 8.1 or Windows 10 operating system</p>
	 <p>The screenshot shows the 'Advanced' tab of the Aptio Setup Utility. The 'Miscellaneous Configuration' section is active, and the 'OS Selection' option is highlighted with a red rounded rectangle. A sub-menu is open, showing 'Windows 8.X &amp; 10.X' and 'Windows 7'. The right side of the screen displays a list of navigation keys: '+*': Select Screen, '↑/Click': Select Item, 'Enter/Db1 Click': Select, '+/-': Change Opt., 'F1': General Help, 'F2': Previous Values, 'F3': Optimized Defaults, 'F4': Save &amp; Exit, and 'ESC/Right Click': Exit. The bottom of the screen shows the version 'Version 2.17.1249. Copyright (C) 2018 American Megatrends, Inc.'</p>
<p>6.</p>	<p>Go to "Advanced" and select "Network Stack Configuration"</p>
	 <p>The screenshot shows the 'Main' tab of the Aptio Setup Utility. The 'Advanced' menu is open, and 'Network Stack Configuration' is highlighted with a red rounded rectangle. The right side of the screen displays the same list of navigation keys as in the previous screenshot. The bottom of the screen shows the version 'Version 2.17.1249. Copyright (C) 2018 American Megatrends, Inc.'</p>

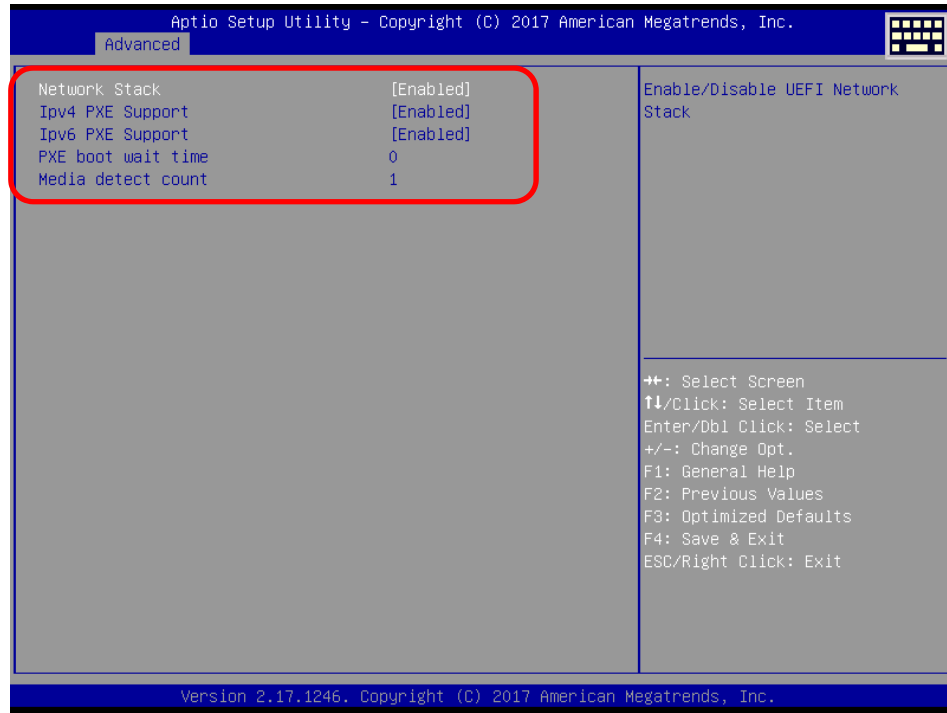
Enable "Network Stack" and make your settings compliant to your server.

Default:

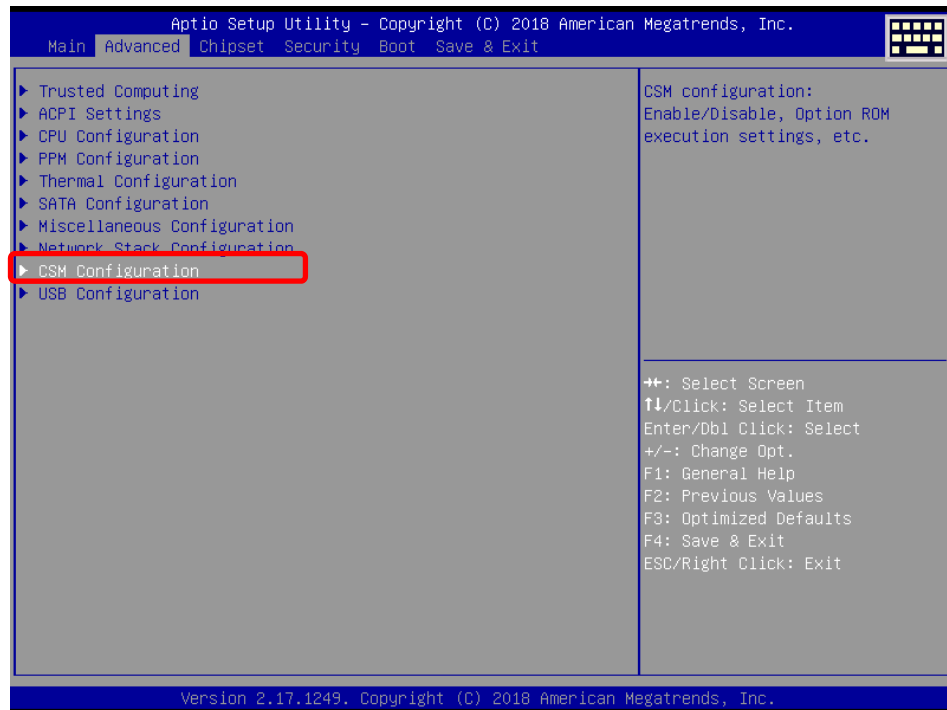
Network Stack = Enabled

IPv4 PXE Support = Enabled

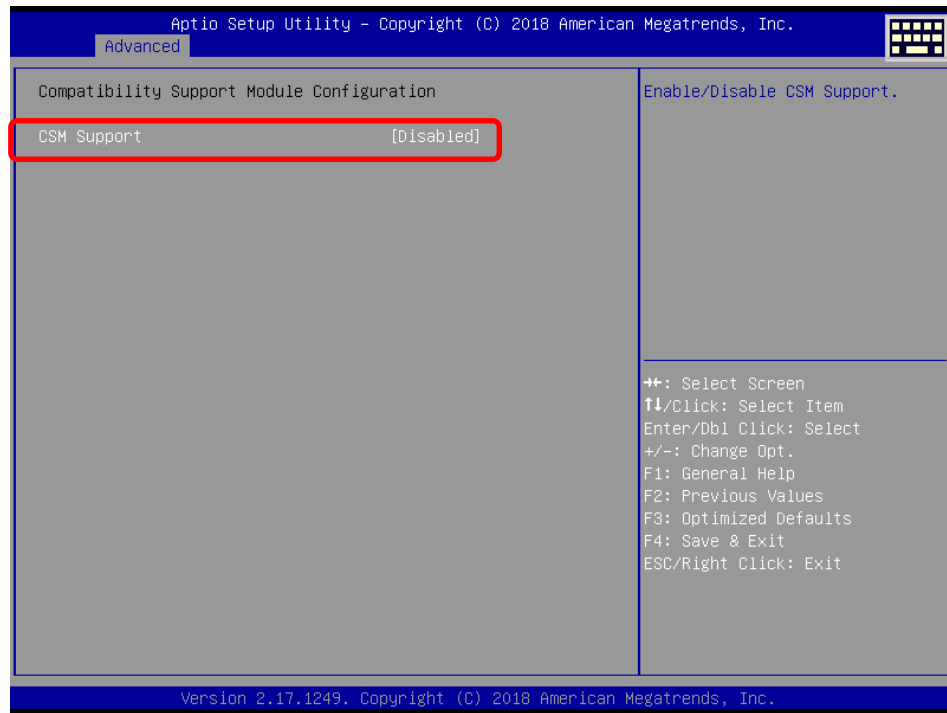
IPv6 PXE Support = Enabled



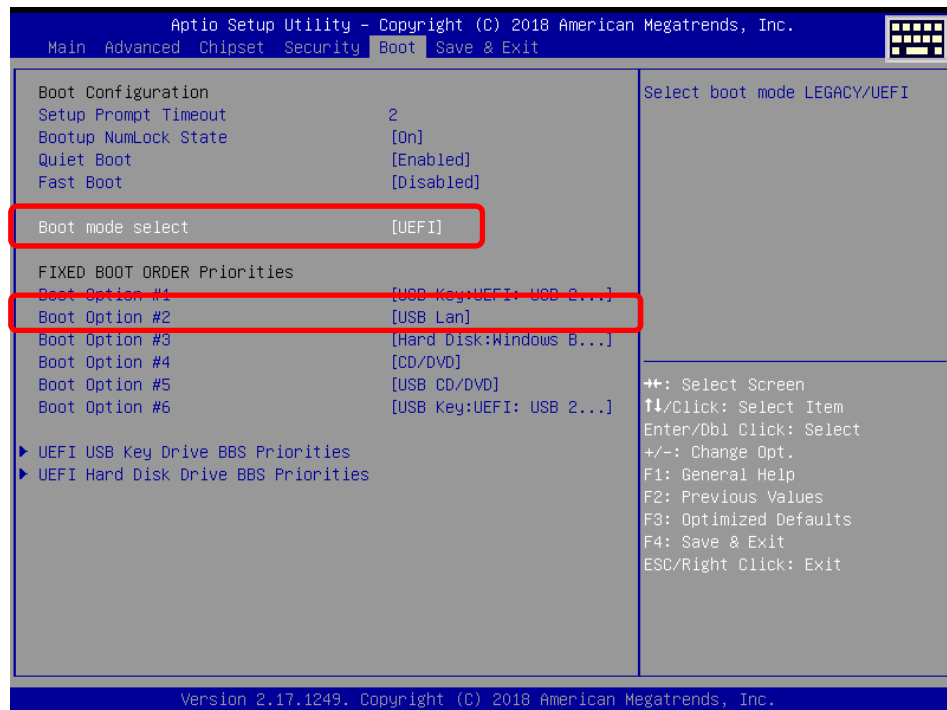
7. Go to "Advanced" and select "CSM Configuration"



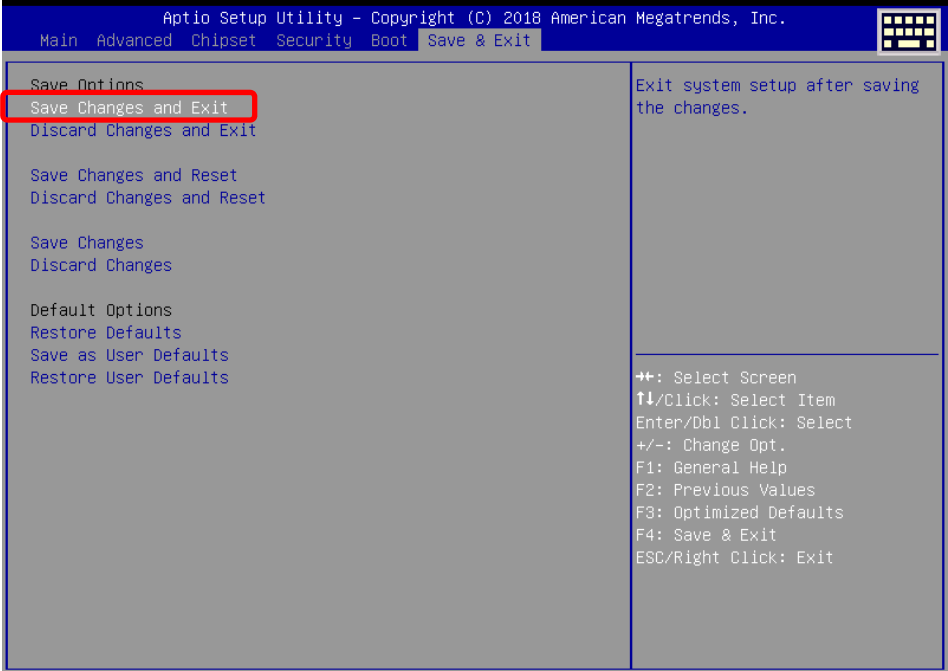
Setup "CSM Configuration" to "Disabled".



8. Go to "Boot" and select:  
"Boot mode select" according to your server to "UEFI"  
Boot option to "USB LAN"



9. Go to "Save & Exit".  
Select "Save Changes and Exit" to leave BIOS.



Aptio Setup Utility - Copyright (C) 2018 American Megatrends, Inc.

Main Advanced Chipset Security Boot **Save & Exit**

Save Options  
**Save Changes and Exit**  
Discard Changes and Exit

Save Changes and Reset  
Discard Changes and Reset

Save Changes  
Discard Changes

Default Options  
Restore Defaults  
Save as User Defaults  
Restore User Defaults

Exit system setup after saving the changes.

←+: Select Screen  
↑↓/Click: Select Item  
Enter/Dbl Click: Select  
+/-: Change Opt.  
F1: General Help  
F2: Previous Values  
F3: Optimized Defaults  
F4: Save & Exit  
ESC/Right Click: Exit

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