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

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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 or http://automation.bartec.de

Document BARTEC	Explanation
Quick Start Guide of: • Agile X IS	It contains: • Guidelines on commissioning and the safe use of hand-held scanners (including installation, safety information related to explosion protection and information regarding programming)

Document BARTEC	Explanation
User Manual of: • Agile X IS	It contains: • 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. • Guidelines on commissioning and the safe use of hand-held scanners (including installation, safety information related to explosion protection and information regarding programming)

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

	Docking station Type 03-9914-0022 SAP 407990 Compatible with: • Agile X series • Agile S series (only with latest hardware version) • Agile X IS series

4.3 Important note for connection of keyboard and mouse

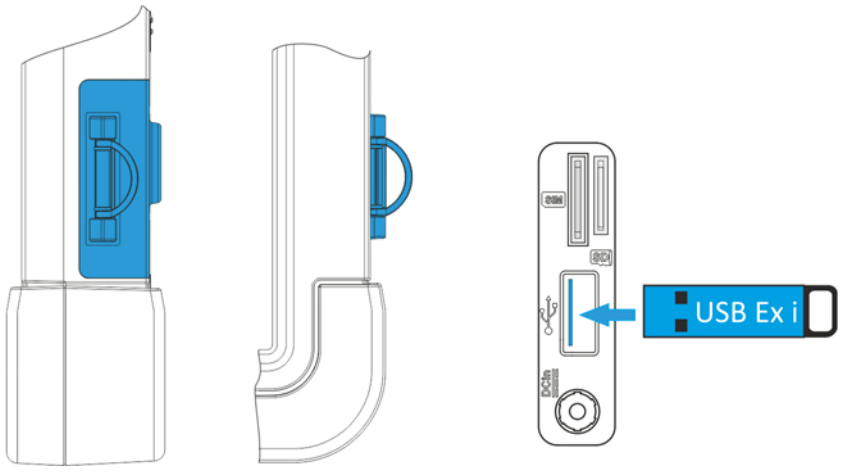
When using mouse and keyboard, make sure that the USB port on the Agile X IS can only be used with Ex approved accessories.

Use of USB Hub is not allowed!

WARNING

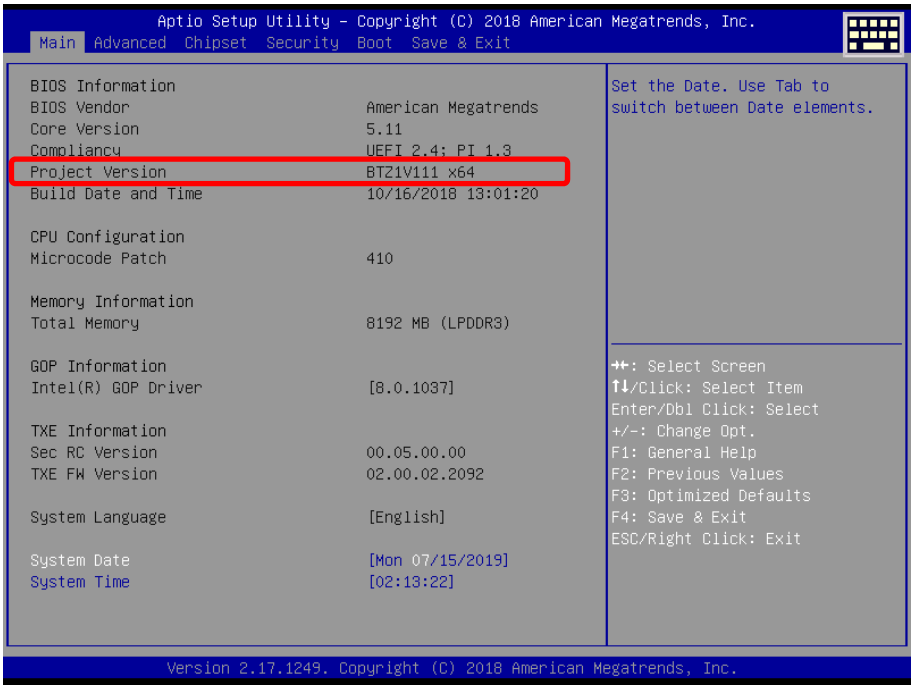
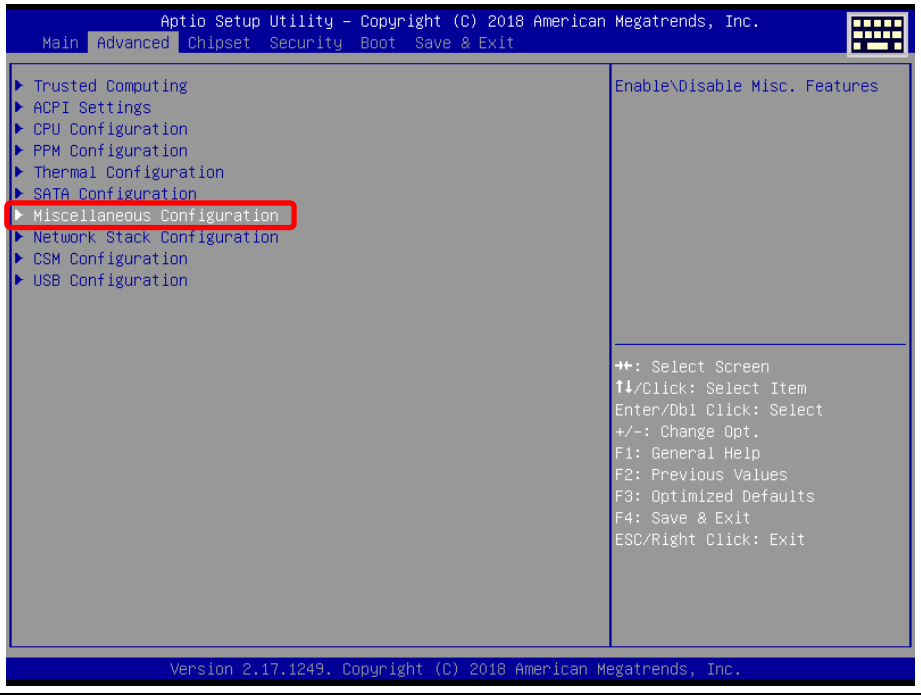
Improper use of USB port on Agile X IS can damage the device.

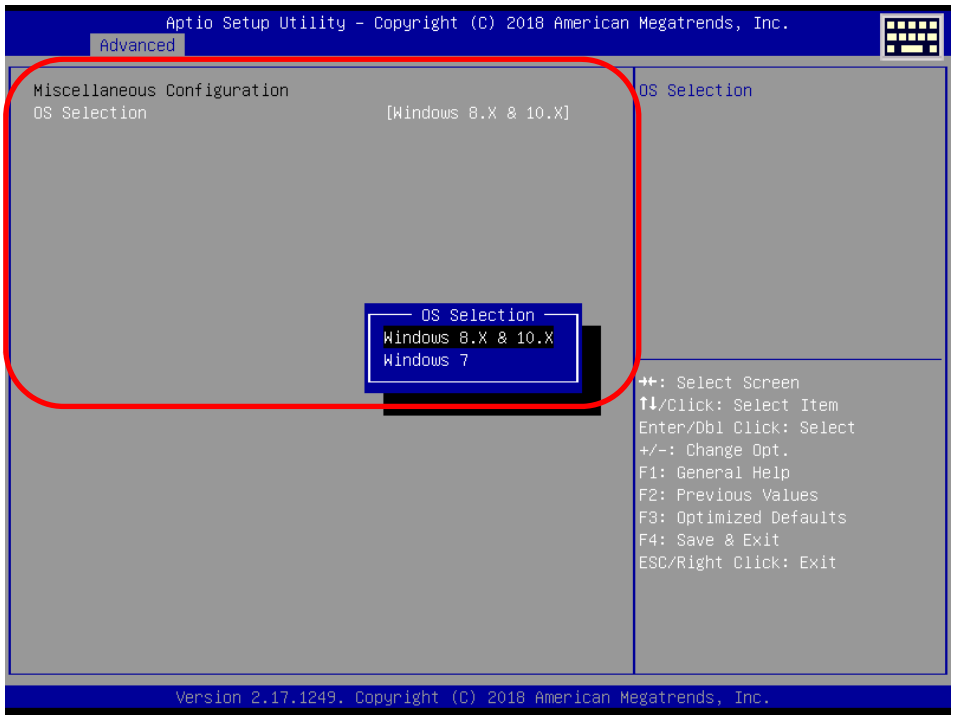
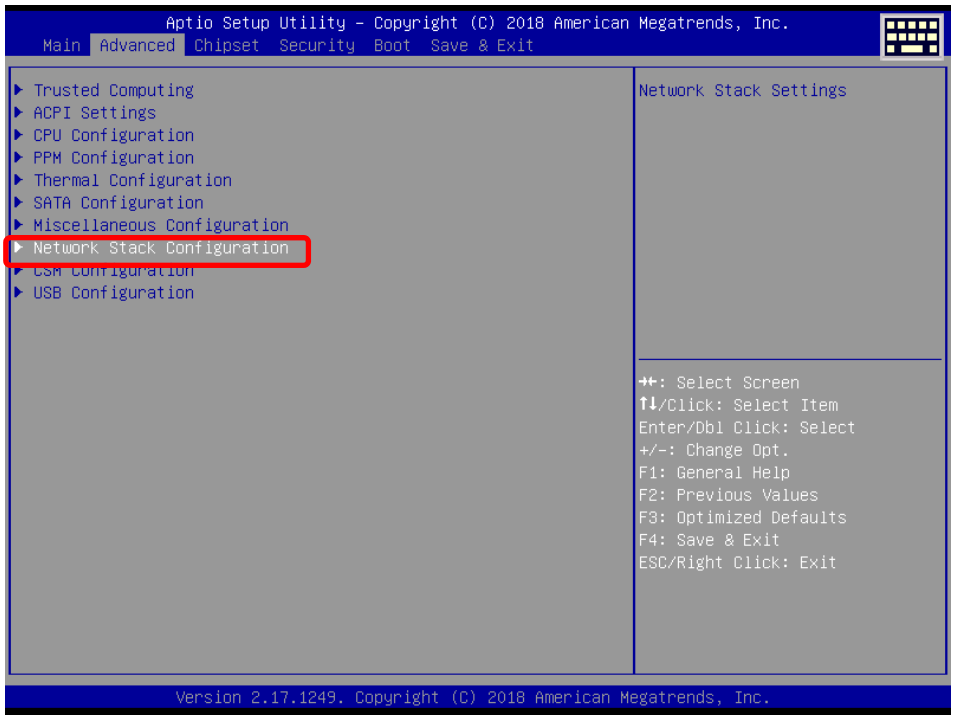
- ▶ Only use the BARTEC USB stick (Type 17-A1Z0-0027) for data exchange via the USB port.
- ▶ Don't connect keyboard or mouse directly to the Ex i USB port.

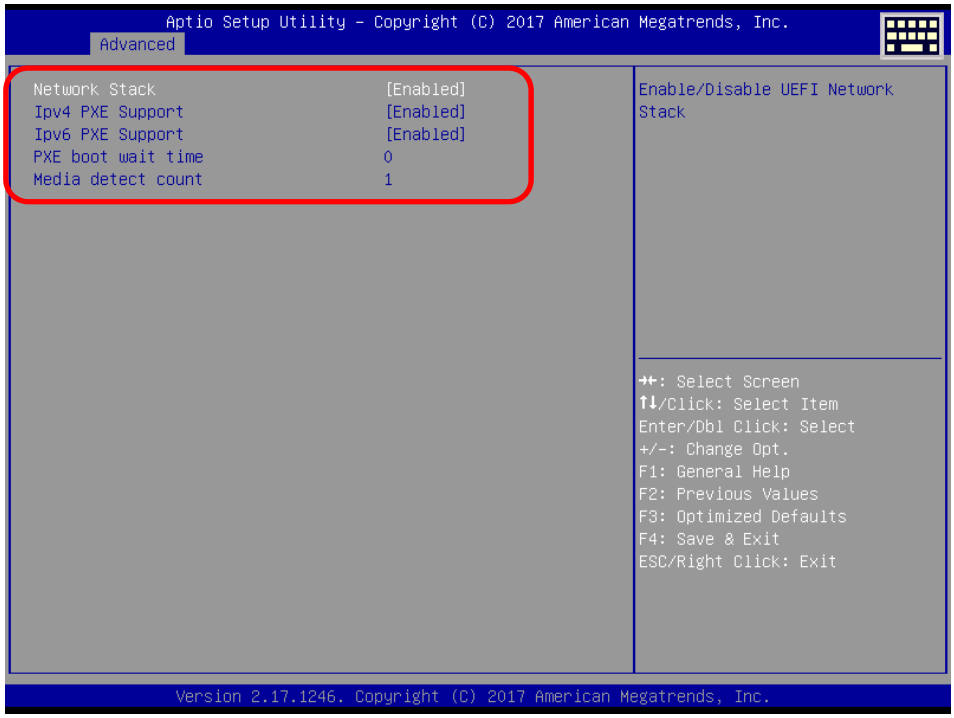
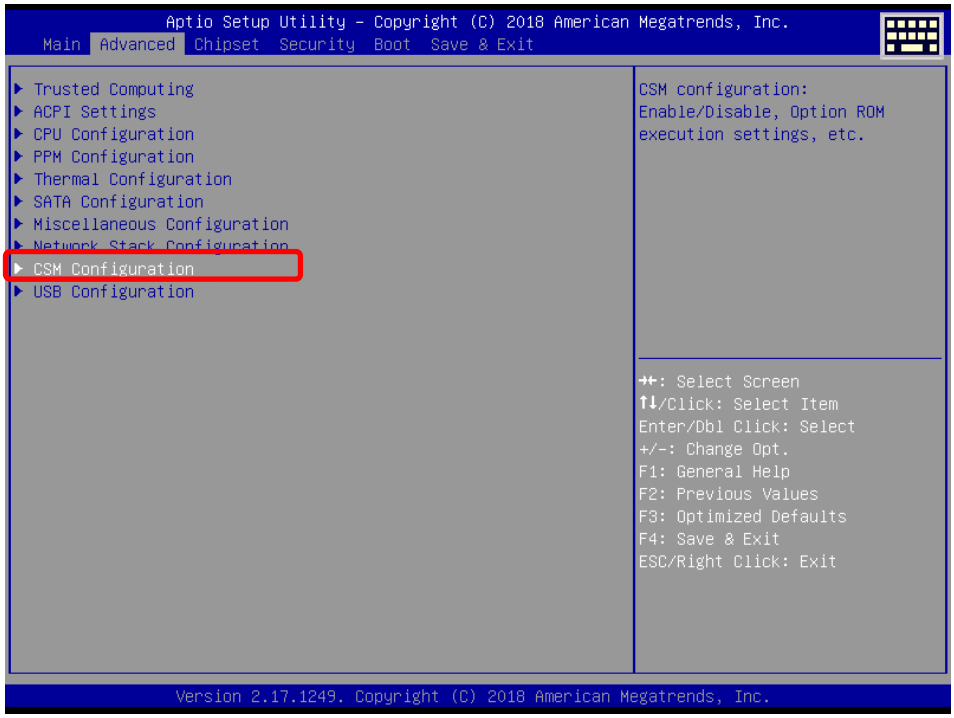


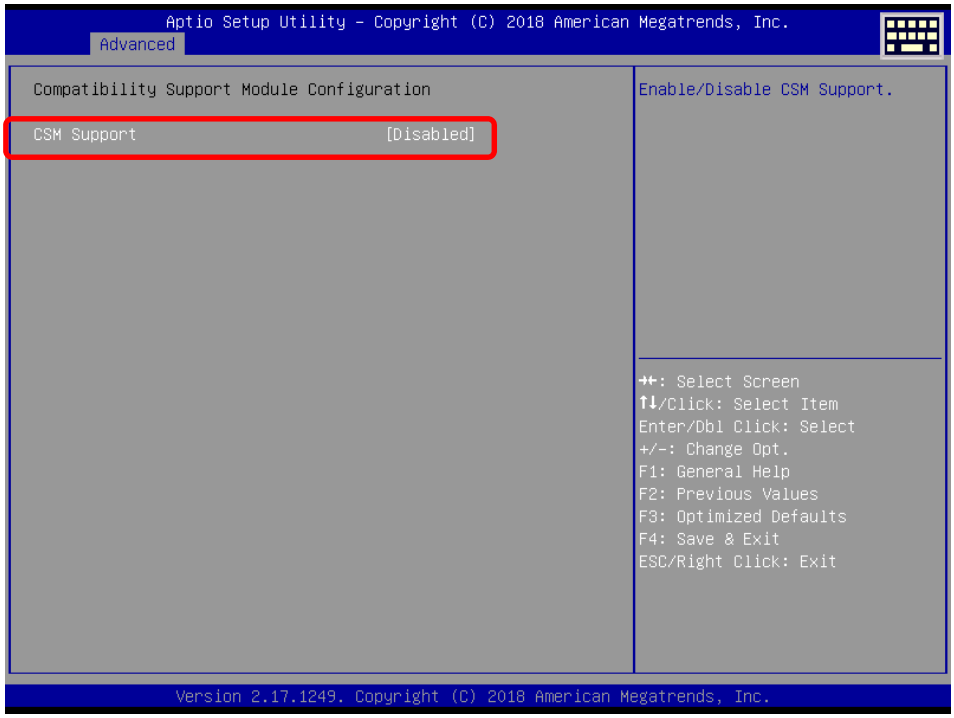
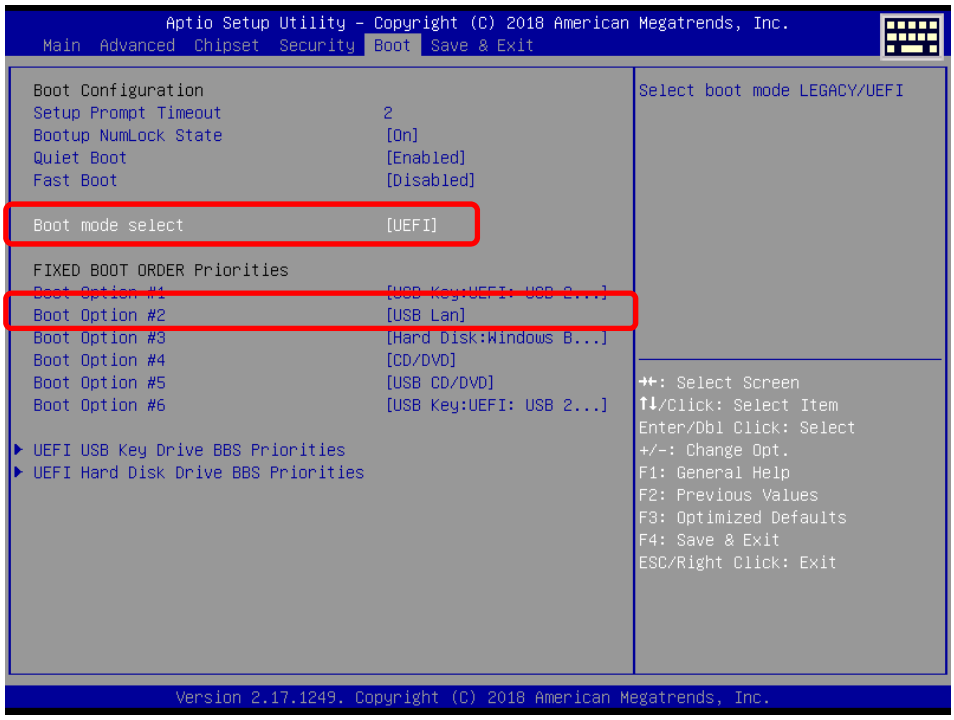
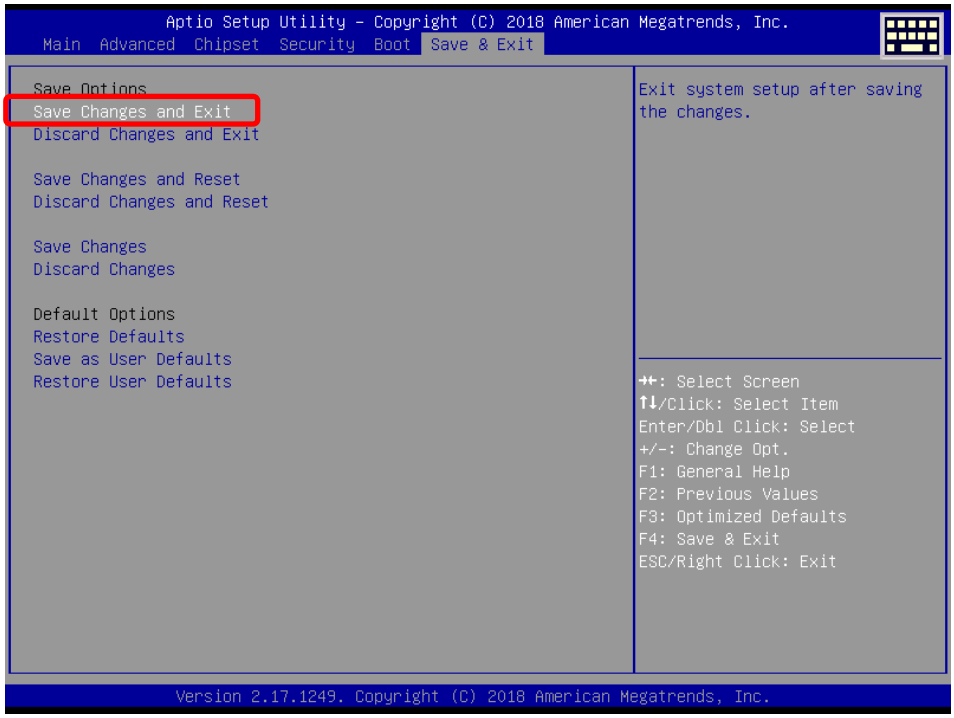
Not allowed Wrong connection via USB hub on Ex i USB port	
Correct connection via docking station	

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. *(picture shows example for BIOS version v1.11)*
	
4.	Go to “Advanced” and select “Miscellaneous Configuration”
	

5.	Go to “OS Selection” and select your operating system. Windows 8.X => for Windows 8.1 or Windows 10 operating system
	
6.	Go to “Advanced” and select “Network Stack Configuration”
	

	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.