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Reg. Imprese n. 4196 Arezzo
REA n. 70645
Meccanografico AR007079

LAN BOOT

Index

Edited by	Verified by	Approved by
M.B.		

Revsions History

Revision	Date	Author	Changes
1.0	21st February 2019	M.B.	First Release

1   UEFI mode

Enter your BIOS. Under **Advanced** menu select the **Network Stack** submenu:

AREZZO   MILAN   FRANKFURT   BOSTON   BANGALORE   TAIPEI

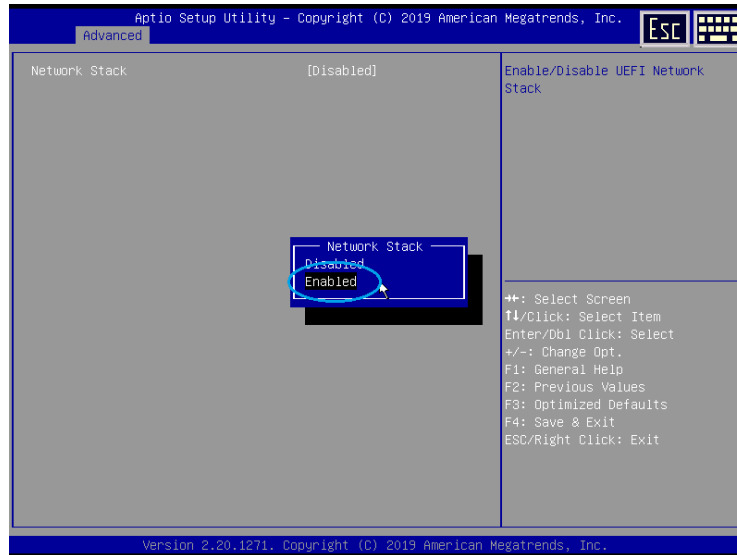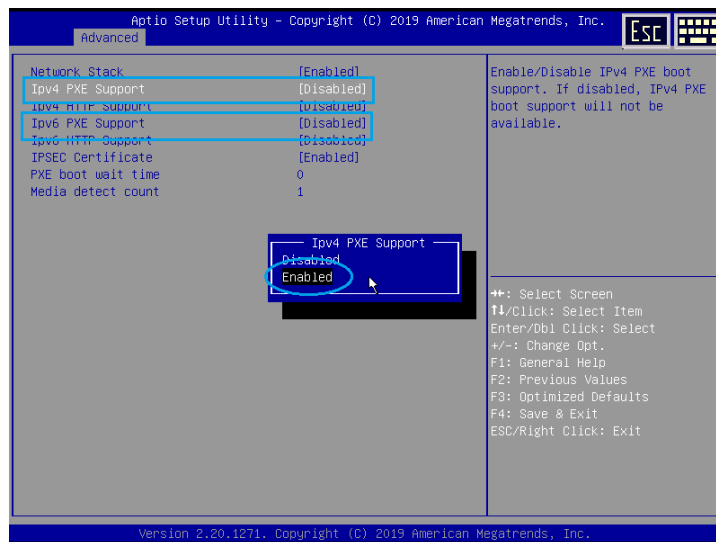Qseven   COM Express   SBC   SMARC   ETX / XTX   Carrier board   Services & Solutions

Enable *Network Stack* option:

A new menu will be visible. Enable the PXE Support you desire; for instance we will enable both *Ipv4* and *Ipv6 PXE Support:*

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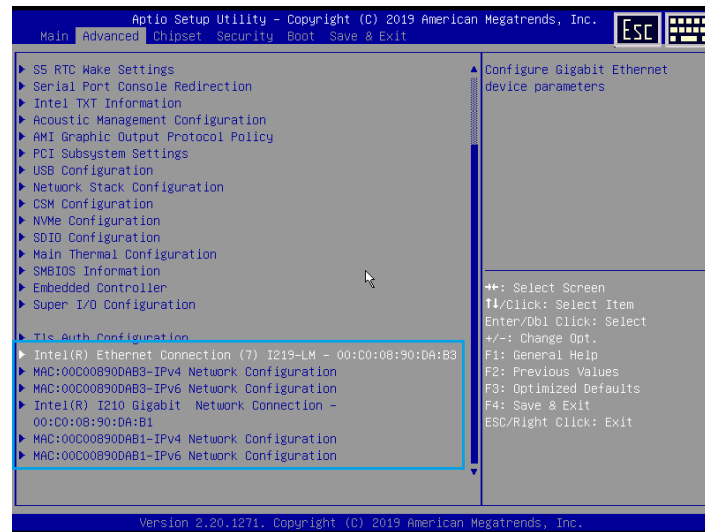Cap. Soc. € 763.439 i.v.
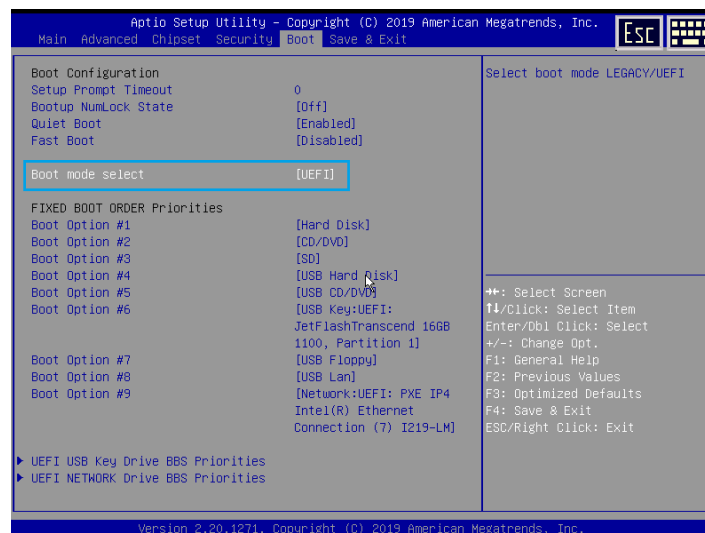Reg. Imprese n. 4196 Arezzo
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Save this configuration and exit.

Enter again your BIOS. Under the **Advanced** menu now the network drives will be shown:

Under **Boot** menu, you can change both the general boot priority and the network drives' ones. Please note that you selected UEFI boot.

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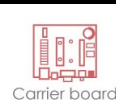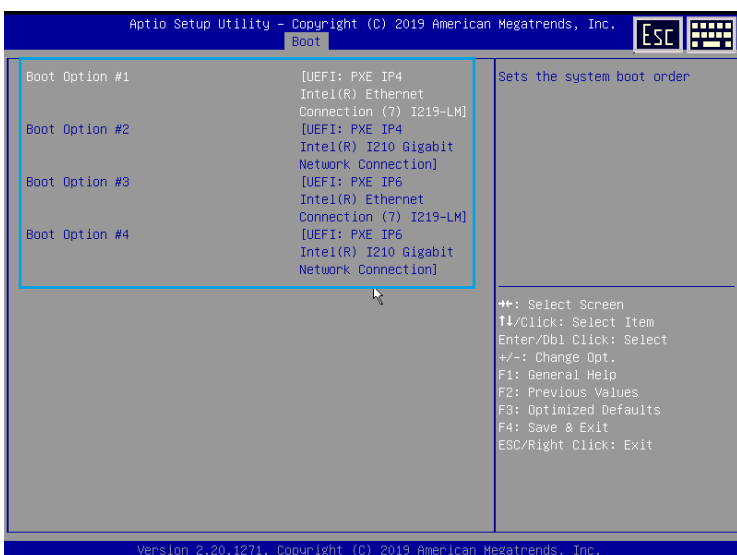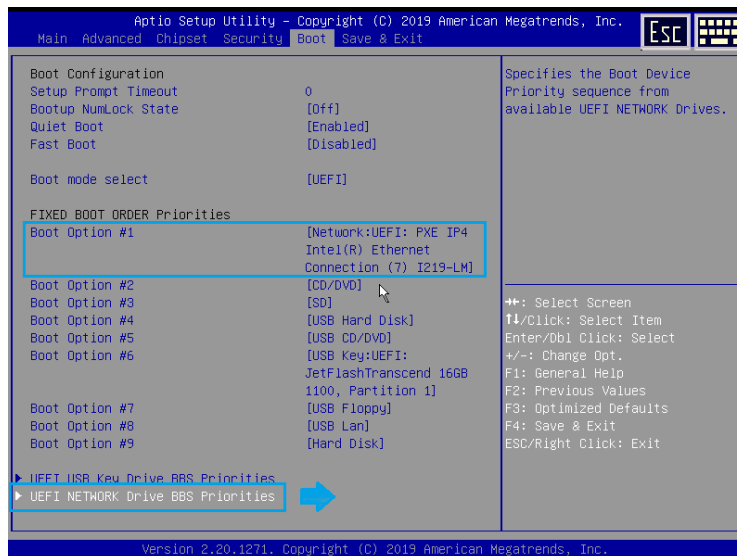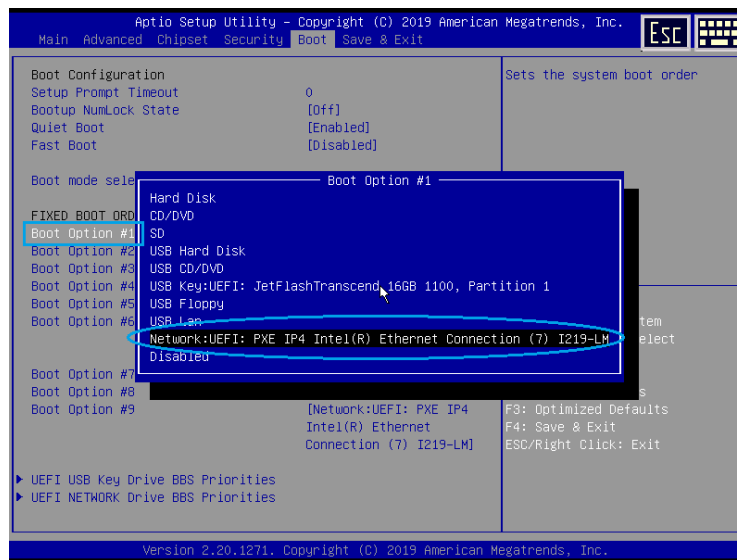Via Calamandrei, 91
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Aptio Setup Utility – Copyright (C) 2019 American Megatrends, Inc.
Main   Advanced   Chipset   Security   **Boot**   Save & Exit

Boot Configuration   Sets the system boot order
Setup Prompt Timeout   0
Bootup NumLock State   [Off]
Quiet Boot   [Enabled]
Fast Boot   [Disabled]

Boot mode sele┌──────────── Boot Option #1 ────────────┐
               │ Hard Disk   │
FIXED BOOT ORD │ CD/DVD   │
Boot Option #1 │ SD   │
Boot Option #2 │ USB Hard Disk   │
Boot Option #3 │ USB CD/DVD   │
Boot Option #4 │ USB Key:UEFI: JetFlashTranscend 16GB 1100, Partition 1 │
Boot Option #5 │ USB Floppy   │
Boot Option #6 │ USB Lan   │ tem
               │ Network:UEFI: PXE IP4 Intel(R) Ethernet Connection (7) I219-LM │ elect
Boot Option #7 │ Disabled   │
Boot Option #8 └──┘
Boot Option #9   [Network:UEFI: PXE IP4   F3: Optimized Defaults
                          Intel(R) Ethernet   F4: Save & Exit
                          Connection (7) I219-LM] ESC/Right Click: Exit

▶ UEFI USB Key Drive BBS Priorities
▶ UEFI NETWORK Drive BBS Priorities

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Aptio Setup Utility – Copyright (C) 2019 American Megatrends, Inc.
Main   Advanced   Chipset   Security   **Boot**   Save & Exit

Boot Configuration   Specifies the Boot Device
Setup Prompt Timeout   0   Priority sequence from
Bootup NumLock State   [Off]   available UEFI NETWORK Drives.
Quiet Boot   [Enabled]
Fast Boot   [Disabled]

Boot mode select   [UEFI]

FIXED BOOT ORDER Priorities
Boot Option #1   [Network:UEFI: PXE IP4
                             Intel(R) Ethernet
                             Connection (7) I219-LM]
Boot Option #2   [CD/DVD]
Boot Option #3   [SD]   →←: Select Screen
Boot Option #4   [USB Hard Disk]   ↑↓/Click: Select Item
Boot Option #5   [USB CD/DVD]   Enter/Dbl Click: Select
Boot Option #6   [USB Key:UEFI: +/-: Change Opt.
                             JetFlashTranscend 16GB   F1: General Help
                             1100, Partition 1]   F2: Previous Values
Boot Option #7   [USB Floppy]   F3: Optimized Defaults
Boot Option #8   [USB Lan]   F4: Save & Exit
Boot Option #9   [Hard Disk]   ESC/Right Click: Exit

▶ UEFI USB Key Drive BBS Priorities
▶ UEFI NETWORK Drive BBS Priorities

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Aptio Setup Utility – Copyright (C) 2019 American Megatrends, Inc.
Boot

Boot Option #1   [UEFI: PXE IP4   Sets the system boot order
                             Intel(R) Ethernet
                             Connection (7) I219-LM]
Boot Option #2   [UEFI: PXE IP4
                             Intel(R) I210 Gigabit
                             Network Connection]
Boot Option #3   [UEFI: PXE IP6
                             Intel(R) Ethernet
                             Connection (7) I219-LM]
Boot Option #4   [UEFI: PXE IP6
                             Intel(R) I210 Gigabit
                             Network Connection]

                                                        →←: 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
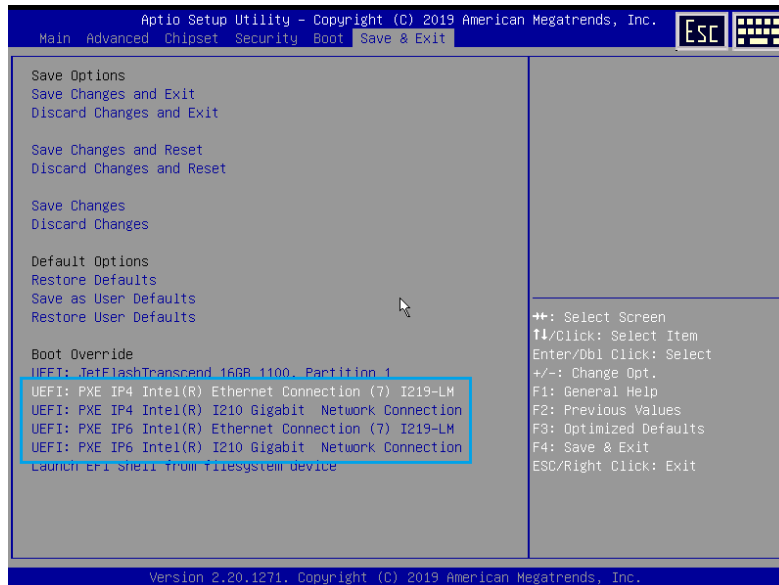
Version 2.20.1271. Copyright (C) 2019 American Megatrends, Inc.

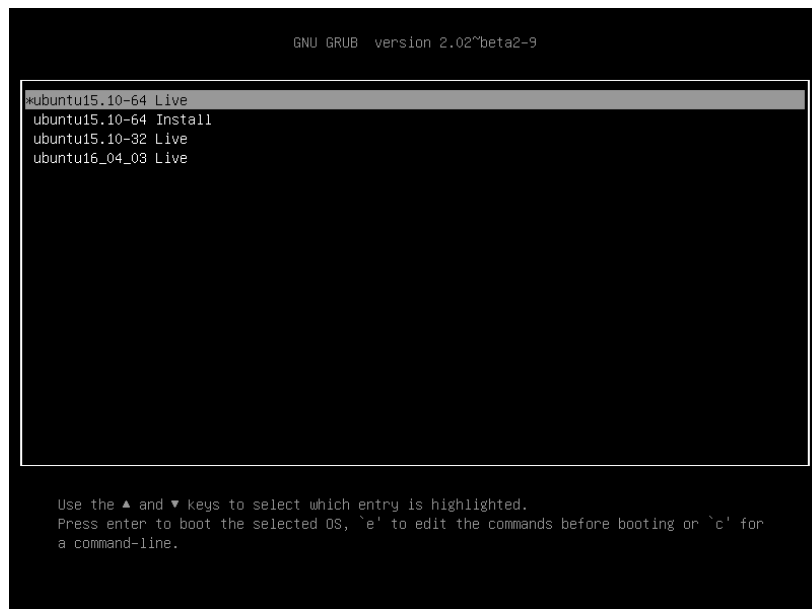WWW.SECO.COM

Also under **Save & Exit** menu, it is possible to select the bootable device:

Save this configuration and exit; now a similar window will automatically appear as confirm of your successful work

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2   Legacy mode

Enter your BIOS. Under **Advanced** menu select the **Network Stack** submenu:
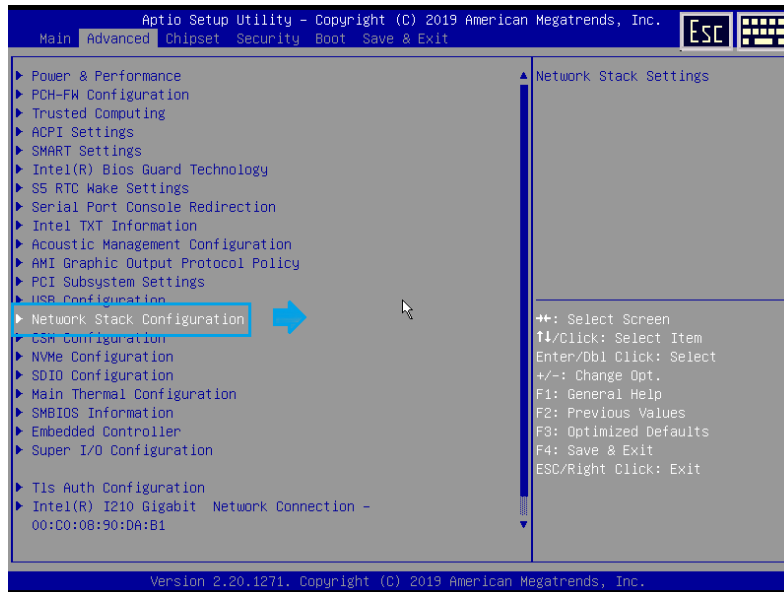
Enable *Network Stack* option:
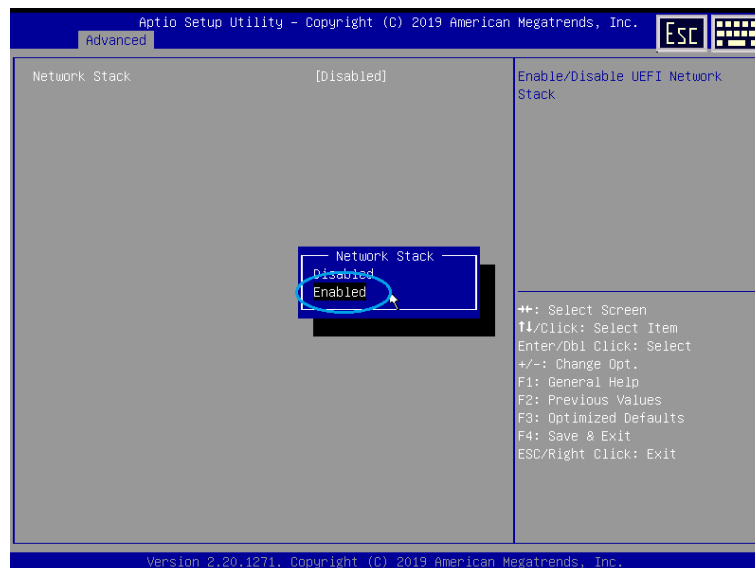
A new menu will be visible. Enable the PXE Support you desire; for instance we will enable both *Ipv4* and *Ipv6 PXE Support:*
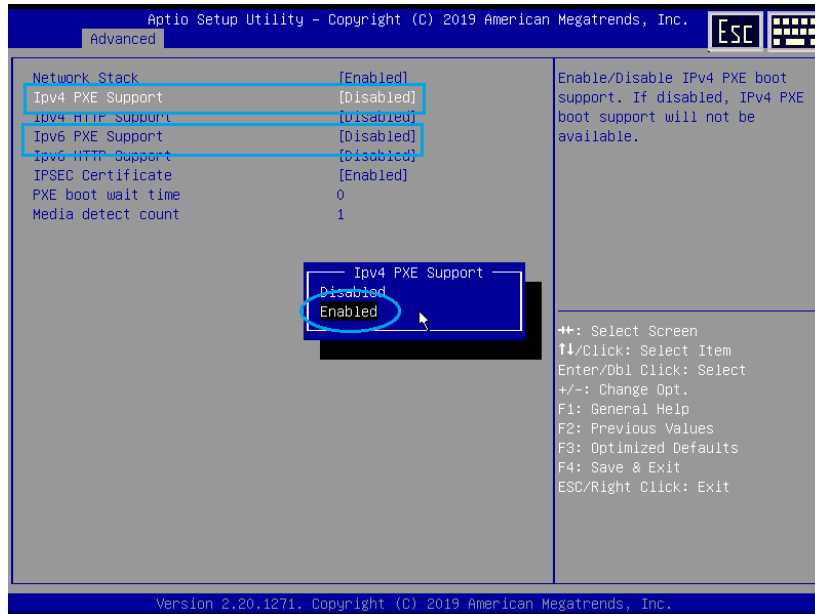
Under **Advanced** menu select the **CSM Configuration** submenu:
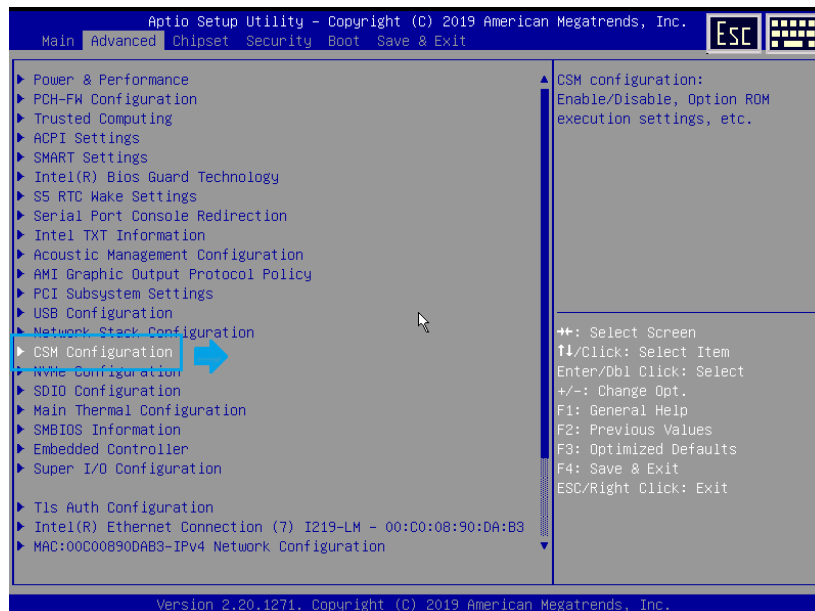
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Enable *CSM Support* option:
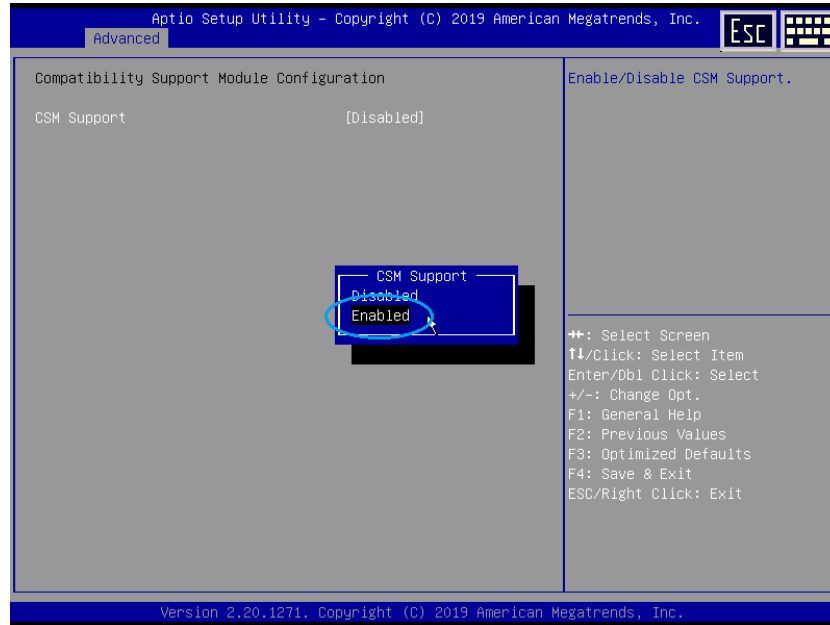
A new menu will be visible. Set:

- *Legacy only* in *Boot option filter* option:
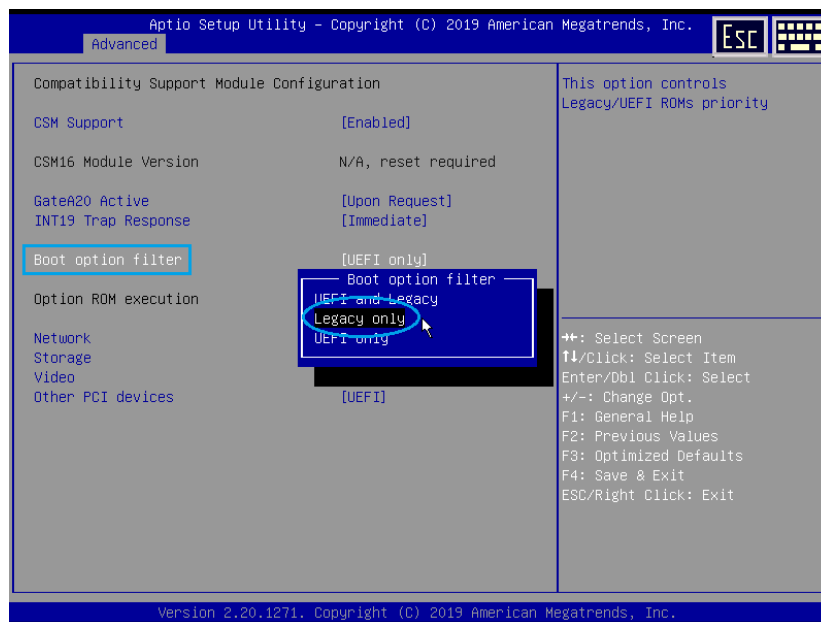
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- *Legacy* in *Network* option
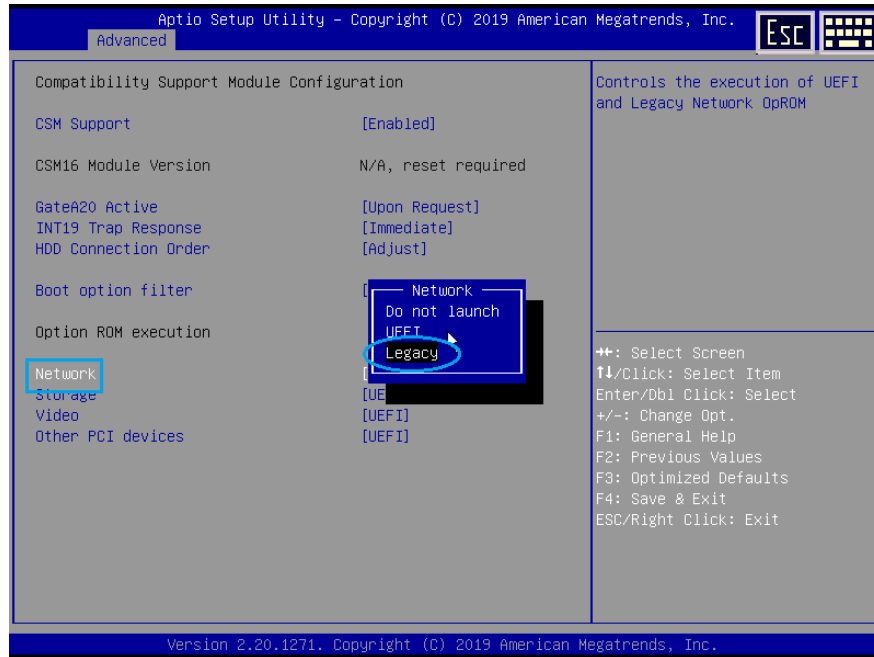
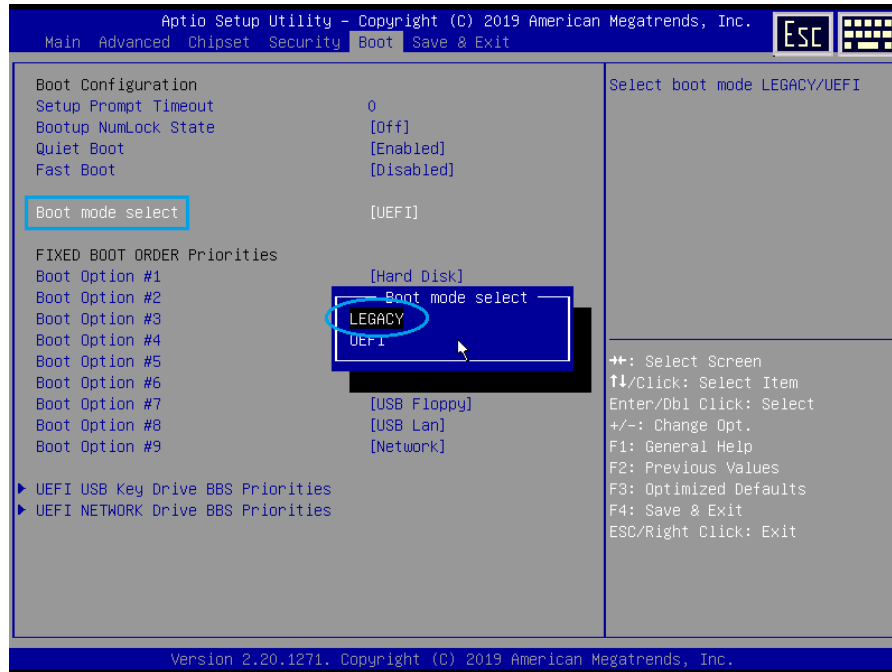- *Legacy* in *Video* option

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Under **Boot** menu set *LEGACY* in *Boot mode select* option:

Save these configurations and exit. A network drive now is in the list of connected and bootable devices and under **Boot** menu you can change both the general boot and the network drives' ones. Select the one you desire and save and exit. A window with will automatically appear as confirm of your successful work