



## HUANANZHI X99-F8 CX99DE45 BIOS

Build date: July 03, 2023.

Firmware for all modifications of HUANANZHI X99-F8 motherboards using the Intel C612 Chipset.

Supported Flash chips in VSCC table: EF4018 (Winbond W25Q128), EF6018 (Winbond W25Q128), C22018 (Macronix MX25L128), 20BA18 (Micron N25Q128), C84018 (GigaDevice GD25x128).

Supported various Realtek ALC HD Audio Codec.

Supported all known DDR4 memory types like UDIMM, RDIMM, LRDIMM, ECC works.

Maximum tested with four LRDIMM DDR4-2400 128Gb (512Gb) with an Intel Xeon E5-2680V4 processor.

RDIMMs offer larger capacities than UDIMMs and include address parity protection. LRDIMMs support higher densities than single- and dual-rank RDIMMs, and higher speeds than quad-rank RDIMMs. This support enables you to install more high capacity DIMMs, resulting in higher system capacities and higher bandwidth.

Differs in components using nuvoTon NCT5532D or nuvoTon NCT5567D-B.

Please select your firmware version after purchase and follow the instructions.

Firmware features:

UEFI Only / Legacy Mode Not Supported.

Set FSB to 100 MHz.

ME firmware to v9.1.45.3000 (5MiB).

EFI/OROM for Intel VROC SATA(Port 0-3)/sSATA(Port 4-7) to v6.2.0.1034 (Full I/O speed).

Latest CPU microcode.

AMI NVMe firmware.

LAN BOOT ROM.

EFI Realtek UNDI PCIe GbE Family Controller Driver v2.056. DMI Data.

Looked:

MBEx, Cipher Transport Layer TLS (CVE-2017-5689 & CVE-2018-3616), PTT, NFC, RPAT, AMT.

Special features:

Ready to enable Resizable BAR (from GitHub [github.com/xCurio](https://github.com/xCurio)).

EFI Shell v2.40.

Enable DUAL/QUAD SPI for Winbond 25Q128FVSG & 25Q128JVSQ.

Production Master Access.

Increased BBBS up to 1MiB.

WCOD ID 0x0082 TAYLOR.

HOW TO UPDATE THE FIRMWARE

⚠ If you have factory stock firmware - YOU MUST USE A PROGRAMMER DEVICE! (e.g. EZP-2019 or CH341A)

Burn the firmware with a programmer device. (e.g. EZP-2019 or CH341A)

Clear CMOS by plugging motherboard power cables and removing the CMOS battery for a few seconds then plug again. After restart load setup default by entering the BIOS setting and then Restore Defaults -> F10 -> Enter

Configure RAM timings and other settings and enjoy!  
WARNING!

⚠ 10/21/2023 - If you are using UDIMM RAM from Chinese manufacturers, you may have problems with these modules compatibility. Therefore, I created a fix for all configuration "CX99DE45-F8-FIX-FAKE-SPI-CN-RAM" which allows the use of such modules, and this fix also addresses the problem with the installed FAKE 25Q128.

⚠ If you ignored the warning above and flashed your BIOS using firmware update software, read the instructions carefully and get a programmer device as stated!

⚠ I am not responsible for any consequences of this guide! You are responsible for everything that you do.

Use this guide as a reference only.

⚠ In some cases, it is required to clear CMOS data, for that, you must unplug all power cables to the motherboard and remove the CMOS battery. This is due to the lack of standardization of Chinese motherboard manufacturers.

EN / Since I am a private seller, I would like to point out that I do not grant any guarantee or warranty under the new EU law, and the item cannot be returned.

[https://www.youtube.com/watch?v=L\\_a1CI-31g8](https://www.youtube.com/watch?v=L_a1CI-31g8)

<https://www.youtube.com/@BIOS-Engineer>



Thank you for your purchase!



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CX99DE45-F8-5532.ROM - Default firmware for boards using NCT5532D

CX99DE45-F8-5532-ReBAR.ROM - Firmware with Resizable BAR for boards using NCT5532D

CX99DE45-F8-5567.ROM - Default firmware for boards using NCT5567D-B

CX99DE45-F8-5567-ALC.ROM - Firmware with additional Realtek ALC HD Audio codec for boards using NCT5567D-B











CX99DE45-F8-5567-ReBAR.ROM - Firmware with Resizable BAR for boards using NCT5567D-B

CX99DE45-F8-5567-ReBAR-ALC.ROM - Firmware with Resizable BAR & additional Realtek ALC HD Audio codec for boards using NCT5567D-B

ReBarState - Software to enable Resizable BAR state.

ONLY if you already use my outdated free BIOS, you can use software method for update firmware: AfuEFIx64.efi

BIOSFILE.ROM / P / B / N / X / R

	060129_ReBarState.zip 8.95 KB	Download
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	060452_CX99DE45F85532ReB... 5.72 MB	Download
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