

flashrom unknown on MS-DOS 8 (i786)
flashrom was built with libpci 3.5.6, GCC 5.5.0, little endian
Command line (6 args): c:/flashrom.exe -p internal -w MOD.ROM -o writelog.txt
Calibrating delay loop... OS timer resolution is 50000 usecs, 1942M loops per second, delay more than 10% too short (got 88% of expected delay), recalculating... 1776M loops per second, delay more than 10% too short (got 76% of expected delay), recalculating... 2067M loops per second, delay more than 10% too short (got 88% of expected delay), recalculating... 1960M loops per second, delay more than 10% too short (got 88% of expected delay), recalculating... 2281M loops per second, delay loop is unreliable, trying to continue 10 myus = 0 us, 100 myus = 0 us, 1000 myus = 50000 us, 10000 myus = 0 us, 200000 myus = 220000 us, OK.
Initializing internal programmer
No coreboot table found.
Using Internal DMI decoder.
DMI string chassis-type: "Desktop"
DMI string system-manufacturer: "System manufacturer"
DMI string system-product-name: "System Product Name"
DMI string system-version: "System Version"
DMI string baseboard-manufacturer: "ASUSTeK COMPUTER INC."
DMI string baseboard-product-name: "ROG ZENITH EXTREME"
DMI string baseboard-version: "Rev 1.xx"
Found ITE Super I/O, ID 0x8665 on port 0x2e
Found chipset "AMD FP4/FP5/AM4" with PCI ID 1022:790e.
Enabling flash write... SPI base address is at 0xfec10000
Trying to determine the generation of the SPI interface... Ryzen detected.
SpiRomEnable=1, RouteTpm2Sp=0, PrefetchEnSPIFromIMC=0, PrefetchEnSPIFromHost=1 (0x6fcc2105) SpiArbEnable=1, IllegalAccess=0, SpiAccessMacRomEn=1, SpiHostAccessRomEn=1, ArbWaitCount=7, SpiBusy=0
Using SPI_CS0
GPIO11 used for SPI_DO
GPIO12 used for SPI_DI
GPIO31 used for SPI_HOLD
GPIO32 used for SPI_CS
GPIO47 used for SPI_CLK
SpiReadMode=Fast Read (7)
Setting read mode to "Normal (up to 66 MHz)" succeeded.
UseSpi100 is enabled
NormSpeedNew is 33 MHz
FastSpeedNew is 33 MHz
AltSpeedNew is 16.5 MHz
TpmSpeedNew is 16.5 MHz
Setting SPI clock to 33 MHz (0x1).
IMC is not active.
ROM strap override is not active
OK.
Super I/O ID 0x8665 is not on the list of flash-capable controllers.
The following protocols are supported: LPC, FWH, SPI.
Probing for AMIC A25L010, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L016, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L020, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for AMIC A25L032, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L040, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L05PT, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L05PU, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L080, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L10PT, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L10PU, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L16PT, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L16PU, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L20PT, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L20PU, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L40PT, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L40PU, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L512, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25L80P, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25LQ032/A25LQ32A, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25LQ16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC A25LQ64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF021, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF021A, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF041A, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF081, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF081A, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF161, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF321, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF321A, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DF641(A), 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DL081, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DL161, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25DQ161, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25F1024(A), 128 kB: probe_spi_at25f: id1 0xff, id2 0xff
Probing for Atmel AT25F2048, 256 kB: probe_spi_at25f: id1 0xff, id2 0xff
Probing for Atmel AT25F4096, 512 kB: probe_spi_at25f: id1 0xff, id2 0xff
Probing for Atmel AT25F512, 64 kB: probe_spi_at25f: id1 0xff, id2 0xff
Probing for Atmel AT25F512A, 64 kB: probe_spi_at25f: id1 0xff, id2 0xff
Probing for Atmel AT25F512B, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25FS010, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25FS040, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25SF041, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25SF081, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25SF161, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT25SL128A, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT26DF041, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT26DF081A, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT26DF161, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT26DF161A, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT26F004, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45CS1282, 16896 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Atmel AT45DB011D, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB021D, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB041D, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB081D, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB161D, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB321C, 4224 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB321D, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB321E, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel AT45DB642D, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for ESI ES25P16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for ESI ES25P40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for ESI ES25P80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for ESMT F25L008A, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for ESMT F25L32PA, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B05, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B05T, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B10T, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B16T, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B20T, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B32T, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B40T, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B64T, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25B80T, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F05, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25F80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P05, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25P80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25Q128, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25Q16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25Q32(A/B), 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25Q40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Eon EN25Q64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25Q80(A), 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25QH128, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25QH16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25QH32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25QH64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25S10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25S16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25S20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25S32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25S40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25S64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon EN25S80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25B128B/GD25Q128B, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25LQ128C/GD25LQ128D, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Found GigaDevice flash chip "GD25LQ128C/GD25LQ128D" (16384 kB, SPI) mapped at physical address 0xff000000.
Chip status register is 0x00.
Chip status register: Status Register Write Disable (SRWD, SRP, ...) is not set
Chip status register: Block Protect 4 (BP4) is not set
Chip status register: Block Protect 3 (BP3) is not set
Chip status register: Block Protect 2 (BP2) is not set
Chip status register: Block Protect 1 (BP1) is not set
Chip status register: Block Protect 0 (BP0) is not set
Chip status register: Write Enable Latch (WEL) is not set
Chip status register: Write In Progress (WIP/BUSY) is not set
Probing for GigaDevice GD25LQ256, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25LQ16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25LQ32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25LQ40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25LQ64(B), 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25LQ80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25Q10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25Q128C, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25Q16(B), 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25Q20(B), 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25Q32(B), 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for GigaDevice GD25Q40(B), 512 kB: probe_spi_rdid_generic: id1 0xc8, id2

0x6018

Probing for GigaDevice GD25Q512, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25Q64(B), 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25Q80(B), 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25T80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25VQ16C, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25VQ21B, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25VQ40C, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25VQ41B, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for GigaDevice GD25VQ80C, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for ISSI IS25LP064, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for ISSI IS25LP128, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for ISSI IS25LP256, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for ISSI IS25WP032, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for ISSI IS25WP064, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for ISSI IS25WP128, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for ISSI IS25WP256, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Intel 25F160S33B8, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Intel 25F160S33T8, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Intel 25F320S33B8, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Intel 25F320S33T8, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Intel 25F640S33B8, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Intel 25F640S33T8, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX23L12854, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX23L1654, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX23L3254, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX23L6454, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX25L1005(C)/MX25L1006E, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX25L12805D, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX25L12835F/MX25L12845E/MX25L12865E, 16384 kB:
probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX25L1605, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX25L1605A/MX25L1606E/MX25L1608E, 2048 kB:
probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Macronix MX25L1605D/MX25L1608D/MX25L1673E, 2048 kB:

probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L1635D, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L1635E, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L2005(C)/MX25L2006E, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L25635F, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L3205(A), 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L3205D/MX25L3208D, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L3206E/MX25L3208E, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L3235D, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L3273E, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L4005(A/C)/MX25L4006E, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L512(E)/MX25V512(C), 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L6405, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L6405D, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L6406E/MX25L6408E, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L6436E/MX25L6445E/MX25L6465E/MX25L6473E/MX25L6473F, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L6495F, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25L8005/MX25L8006E/MX25L8008E/MX25V8005, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25R6435F, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25U12835F, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25U1635E, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25U25635F, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25U3235E/F, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25U51245G, 65536 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25U6435E/F, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix MX25U8032E, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2

0x6018

Probing for Macronix MX66L51235F/MX25L51245G, 65536 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P05, 64 kB: Ignoring RES in favour of RDID.

Probing for Micron/Numonyx/ST M25P05-A, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P10, 128 kB: Ignoring RES in favour of RDID.

Probing for Micron/Numonyx/ST M25P10-A, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P128, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P20-old, 256 kB: Ignoring RES in favour of RDID.

Probing for Micron/Numonyx/ST M25P32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P40-old, 512 kB: Ignoring RES in favour of RDID.

Probing for Micron/Numonyx/ST M25P64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25P80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PE10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PE16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PE20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PE40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PE80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PX16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PX32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PX64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M25PX80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M45PE10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M45PE16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M45PE20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST M45PE40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2

0x6018

Probing for Micron/Numonyx/ST M45PE80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q016, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q032..1E, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q032..3E, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q064..1E, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q064..3E, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q128..1E, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q128..3E, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q256..3E, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron/Numonyx/ST N25Q512..3E, 65536 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron MT25QL256, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Micron MT25QL512, 65536 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Nantronics N25S10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Nantronics N25S16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Nantronics N25S20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Nantronics N25S40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Nantronics N25S80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LD010(C), 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LD020(C), 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LD040(C), 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LD256C, 32 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LD512(C), 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LQ016, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LQ020, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LQ032C, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LQ040, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LQ080, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LV010, 128 kB: probe_spi_res2: id1 0x17, id2 0x17

Probing for PMC Pm25LV010A, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LV016B, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LV020, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LV040, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LV080B, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for PMC Pm25LV512(A), 64 kB: probe_spi_res2: id1 0x17, id2 0x17

Probing for SST SST25LF020A, 256 kB: probe_spi_rems: id1 0xc8, id2 0x17

Probing for SST SST25LF040A, 512 kB: probe_spi_res2: id1 0x17, id2 0x17

Probing for SST SST25LF080(A), 1024 kB: probe_spi_res2: id1 0x17, id2 0x17

Probing for SST SST25VF010(A), 128 kB: probe_spi_rems: id1 0xc8, id2 0x17

Probing for SST SST25VF016B, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for SST SST25VF020, 256 kB: probe_spi_rems: id1 0xc8, id2 0x17
Probing for SST SST25VF020B, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25VF032B, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25VF040, 512 kB: probe_spi_rems: id1 0xc8, id2 0x17
Probing for SST SST25VF040B, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25VF040B.REMS, 512 kB: probe_spi_rems: id1 0xc8, id2 0x17
Probing for SST SST25VF064C, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25VF080B, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25VF512(A), 64 kB: probe_spi_rems: id1 0xc8, id2 0x17
Probing for SST SST25WF010, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25WF020, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25WF020A, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25WF040, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25WF040B, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25WF080, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25WF080B, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST25WF512, 64 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST26VF016B(A), 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST26VF032B(A), 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST SST26VF064B(A), 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Sanyo LE25FU106B, 128 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Sanyo LE25FU206, 256 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Sanyo LE25FU206A, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Sanyo LE25FU406B, 512 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Sanyo LE25FU406C/LE25U40CMC, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Sanyo LE25FW106, 128 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Sanyo LE25FW203A, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Sanyo LE25FW403A, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Sanyo LE25FW406A, 512 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Sanyo LE25FW418A, 512 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Sanyo LE25FW806, 1024 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Sanyo LE25FW808, 1024 kB: probe_spi_res2: id1 0x17, id2 0x17
Probing for Spansion S25FL004A, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL008A, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL016A, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL032A/P, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL064A/P, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL116K/S25FL216K, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL127S-256kB, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL127S-64kB, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2

0x6018
Probing for Spansion S25FL128P.....0, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL128P.....1, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL128S.....0, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL128S.....1, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL129P.....0, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL129P.....1, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL132K, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL164K, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL204K, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL208K, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Spansion S25FL256S.....0, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Unknown SFDP-capable chip, 0 kB: SFDP revision = 1.0
SFDP number of parameter headers is 2 (NPH = 1).

SFDP parameter table header 0/1:

ID 0x00, version 1.0
Length 36 B, Parameter Table Pointer 0x000030

Parsing JEDEC flash parameter table...

3-Byte only addressing.

Status register is non-volatile and the standard does not allow vendors to tell us whether EWSR/WREN is needed for status register writes - assuming EWSR.

Write chunk size is at least 64 B.

Flash chip size is 16384 kB.

Block eraser 0: 4096 x 4096 B with opcode 0x20

Tried to add a duplicate block eraser: 4096 x 4096 B with opcode 0x20.

Block eraser 1: 512 x 32768 B with opcode 0x52

Block eraser 2: 256 x 65536 B with opcode 0xd8

done.

SFDP parameter table header 1/1:

ID 0xc8, version 1.0
Length 12 B, Parameter Table Pointer 0x000060

Probing for Winbond W25P16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Winbond W25P32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Winbond W25P80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Winbond W25Q128.V, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Winbond W25Q128.V..M, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Winbond W25Q128.W, 16384 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q16.V, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q16.W, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q20.W, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q256.V, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q256JV_M, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q256JW, 32768 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q32.V, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q32.W, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q40.V, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q40BW, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q40EW, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q64.V, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q64.W, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q80.V, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q80BW, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25Q80EW, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25X10, 128 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25X16, 2048 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25X20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25X32, 4096 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25X40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25X64, 8192 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond W25X80, 1024 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Zetta Device ZD25D20, 256 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Zetta Device ZD25D40, 512 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for AMIC unknown AMIC SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Atmel unknown Atmel SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Eon unknown Eon SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Macronix unknown Macronix SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for PMC unknown PMC SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for SST unknown SST SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for ST unknown ST SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Sanyo unknown Sanyo SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018
Probing for Winbond unknown Winbond (ex Nexcom) SPI chip, 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Generic unknown SPI chip (RDID), 0 kB: probe_spi_rdid_generic: id1 0xc8, id2 0x6018

Probing for Generic unknown SPI chip (REMS), 0 kB: probe_spi_rems: id1 0xc8, id2 0x17

Probing for AMIC A49LF040A, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for Atmel AT49LH002, 256 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for Atmel AT49LH004, 512 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for Atmel AT49LH00B4, 512 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for Intel 82802AB, 512 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for Intel 82802AC, 1024 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for PMC Pm49FL002, 256 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for PMC Pm49FL004, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF002A/B, 256 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF003A/B, 384 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF004A/B, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF004C, 512 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF008A, 1024 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF008C, 1024 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF016C, 2048 kB: probe_82802ab: id1 0xe0, id2 0x03, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF020, 256 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF020A, 256kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF040, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF040B, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF080A, 1024 kB: Chip lacks correct probe timing information, using default 10ms/40us. probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for SST SST49LF160C, 2048 kB: probe_82802ab: id1 0xe0, id2 0x03, id1 is normal flash content, id2 is normal flash content

Probing for ST M50FLW040A, 512 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

Probing for ST M50FLW040B, 512 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content

violation, id1 is normal flash content, id2 is normal flash content
Probing for ST M50FLW080A, 1024 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for ST M50FLW080B, 1024 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for ST M50FW002, 256 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for ST M50FW016, 2048 kB: probe_82802ab: id1 0xe0, id2 0x03, id1 is normal flash content, id2 is normal flash content
Probing for ST M50FW040, 512 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for ST M50FW080, 1024 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for ST M50LPW080, 1024 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for ST M50LPW116, 2048 kB: probe_82802ab: id1 0xe0, id2 0x03, id1 is normal flash content, id2 is normal flash content
Probing for Sharp LHF00L04, 1024 kB: probe_82802ab: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V040A, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V040B, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V040C, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V040FA, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V040FB, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V040FC, 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V080A, 1024 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V080FA, 1024 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W39V080FA (dual mode), 512 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W49V002A, 256 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Probing for Winbond W49V002FA, 256 kB: probe_jedec_common: id1 0xff, id2 0xff, id1 parity violation, id1 is normal flash content, id2 is normal flash content
Found GigaDevice flash chip "GD25LQ128C/GD25LQ128D" (16384 kB, SPI).
This chip may contain one-time programmable memory. flashrom cannot read and may never be able to write it, hence it may not be able to completely clone the contents of this chip (see man page for details).

===

This flash part has status UNTESTED for operations: PROBE READ ERASE WRITE
The test status of this chip may have been updated in the latest development version of flashrom. If you are running the latest development version, please email a report to flashrom@flashrom.org if any of the above operations

work correctly for you with this flash chip. Please include the flashrom log file for all operations you tested (see the man page for details), and mention which mainboard or programmer you tested in the subject line.

Thanks for your help!

Flash image seems to be a legacy BIOS. Disabling coreboot-related checks.

Block protection is disabled.

Reading old flash chip contents... done.

Erasing and writing flash chip... Trying erase function 0... 0x000000-0x000fff:S,
0x001000-0x001fff:S, 0x002000-0x002fff:S, 0x003000-0x003fff:S, 0x004000-0x004fff:S,
0x005000-0x005fff:S, 0x006000-0x006fff:S, 0x007000-0x007fff:S, 0x008000-0x008fff:S,
0x009000-0x009fff:S, 0x00a000-0x00afff:S, 0x00b000-0x00bfff:S, 0x00c000-0x00cfff:S,
0x00d000-0x00dfff:S, 0x00e000-0x00efff:S, 0x00f000-0x00ffff:S, 0x010000-0x010fff:S,
0x011000-0x011fff:S, 0x012000-0x012fff:S, 0x013000-0x013fff:S, 0x014000-0x014fff:S,
0x015000-0x015fff:S, 0x016000-0x016fff:S, 0x017000-0x017fff:S, 0x018000-0x018fff:S,
0x019000-0x019fff:S, 0x01a000-0x01afff:S, 0x01b000-0x01bfff:S, 0x01c000-0x01cfff:S,
0x01d000-0x01dfff:S, 0x01e000-0x01efff:S, 0x01f000-0x01ffff:S, 0x020000-0x020fff:S,
0x021000-0x021fff:S, 0x022000-0x022fff:S, 0x023000-0x023fff:S, 0x024000-0x024fff:S,
0x025000-0x025fff:S, 0x026000-0x026fff:S, 0x027000-0x027fff:S, 0x028000-0x028fff:S,
0x029000-0x029fff:S, 0x02a000-0x02afff:S, 0x02b000-0x02bfff:S, 0x02c000-0x02cfff:S,
0x02d000-0x02dfff:S, 0x02e000-0x02efff:S, 0x02f000-0x02ffff:S, 0x030000-0x030fff:S,
0x031000-0x031fff:S, 0x032000-0x032fff:S, 0x033000-0x033fff:S, 0x034000-0x034fff:S,
0x035000-0x035fff:S, 0x036000-0x036fff:S, 0x037000-0x037fff:S, 0x038000-0x038fff:S,
0x039000-0x039fff:S, 0x03a000-0x03afff:S, 0x03b000-0x03bfff:S, 0x03c000-0x03cfff:S,
0x03d000-0x03dfff:S, 0x03e000-0x03efff:S, 0x03f000-0x03ffff:S, 0x040000-0x040fff:EW,
0x041000-0x041fff:S, 0x042000-0x042fff:S, 0x043000-0x043fff:S, 0x044000-0x044fff:S,
0x045000-0x045fff:S, 0x046000-0x046fff:EW, 0x047000-0x047fff:S, 0x048000-0x048fff:S,
0x049000-0x049fff:S, 0x04a000-0x04afff:S, 0x04b000-0x04bfff:S, 0x04c000-0x04cfff:S,
0x04d000-0x04dfff:S, 0x04e000-0x04efff:S, 0x04f000-0x04ffff:S, 0x050000-0x050fff:S,
0x051000-0x051fff:S, 0x052000-0x052fff:S, 0x053000-0x053fff:S, 0x054000-0x054fff:S,
0x055000-0x055fff:S, 0x056000-0x056fff:S, 0x057000-0x057fff:EW,
0x058000-0x058fff:EW, 0x059000-0x059fff:S, 0x05a000-0x05afff:S,
0x05b000-0x05bfff:EW, 0x05c000-0x05cfff:S, 0x05d000-0x05dfff:EW,
0x05e000-0x05efff:EW, 0x05f000-0x05ffff:EW, 0x060000-0x060fff:EW,
0x061000-0x061fff:S, 0x062000-0x062fff:S, 0x063000-0x063fff:S, 0x064000-0x064fff:S,
0x065000-0x065fff:EW, 0x066000-0x066fff:EW, 0x067000-0x067fff:EW,
0x068000-0x068fff:EW, 0x069000-0x069fff:EW, 0x06a000-0x06afff:EW,
0x06b000-0x06bfff:EW, 0x06c000-0x06cfff:W, 0x06d000-0x06dfff:W, 0x06e000-0x06efff:W,
0x06f000-0x06ffff:W, 0x070000-0x070fff:W, 0x071000-0x071fff:W, 0x072000-0x072fff:W,
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0x077000-0x077fff:W, 0x078000-0x078fff:W, 0x079000-0x079fff:W, 0x07a000-0x07afff:W,
0x07b000-0x07bfff:W, 0x07c000-0x07cfff:W, 0x07d000-0x07dfff:W, 0x07e000-0x07efff:W,
0x07f000-0x07ffff:EW, 0x080000-0x080fff:S, 0x081000-0x081fff:S, 0x082000-0x082fff:S,
0x083000-0x083fff:S, 0x084000-0x084fff:S, 0x085000-0x085fff:S, 0x086000-0x086fff:S,
0x087000-0x087fff:S, 0x088000-0x088fff:S, 0x089000-0x089fff:S, 0x08a000-0x08afff:S,
0x08b000-0x08bfff:S, 0x08c000-0x08cfff:S, 0x08d000-0x08dfff:S, 0x08e000-0x08efff:S,
0x08f000-0x08ffff:S, 0x090000-0x090fff:S, 0x091000-0x091fff:S, 0x092000-0x092fff:S,
0x093000-0x093fff:S, 0x094000-0x094fff:S, 0x095000-0x095fff:S, 0x096000-0x096fff:S,
0x097000-0x097fff:S, 0x098000-0x098fff:S, 0x099000-0x099fff:S, 0x09a000-0x09afff:S,
0x09b000-0x09bfff:S, 0x09c000-0x09cfff:S, 0x09d000-0x09dfff:S, 0x09e000-0x09efff:S,
0x09f000-0x09ffff:S, 0x0a0000-0x0a0fff:S, 0x0a1000-0x0a1fff:S, 0x0a2000-0x0a2fff:S,

0x0a3000-0x0a3fff:S, 0x0a4000-0x0a4fff:S, 0x0a5000-0x0a5fff:S, 0x0a6000-0x0a6fff:S,
0x0a7000-0x0a7fff:S, 0x0a8000-0x0a8fff:S, 0x0a9000-0x0a9fff:S, 0x0aa000-0x0aafff:S,
0x0ab000-0x0abfff:S, 0x0ac000-0x0acfff:S, 0x0ad000-0x0adfff:S, 0x0ae000-0x0aefff:S,
0x0af000-0x0affff:S, 0x0b0000-0x0b0fff:S, 0x0b1000-0x0b1fff:S, 0x0b2000-0x0b2fff:S,
0x0b3000-0x0b3fff:S, 0x0b4000-0x0b4fff:S, 0x0b5000-0x0b5fff:S, 0x0b6000-0x0b6fff:S,
0x0b7000-0x0b7fff:S, 0x0b8000-0x0b8fff:S, 0x0b9000-0x0b9fff:S, 0x0ba000-0x0bafff:S,
0x0bb000-0x0bbfff:S, 0x0bc000-0x0bcfff:S, 0x0bd000-0x0bdfff:S, 0x0be000-0x0befff:S,
0x0bf000-0x0bffff:S, 0x0c0000-0x0c0fff:S, 0x0c1000-0x0c1fff:S, 0x0c2000-0x0c2fff:S,
0x0c3000-0x0c3fff:S, 0x0c4000-0x0c4fff:S, 0x0c5000-0x0c5fff:S, 0x0c6000-0x0c6fff:S,
0x0c7000-0x0c7fff:S, 0x0c8000-0x0c8fff:S, 0x0c9000-0x0c9fff:S, 0x0ca000-0x0cafff:S,
0x0cb000-0x0cbfff:S, 0x0cc000-0x0ccfff:S, 0x0cd000-0x0cdfff:S, 0x0ce000-0x0cefff:S,
0x0cf000-0x0cffff:S, 0x0d0000-0x0d0fff:S, 0x0d1000-0x0d1fff:S, 0x0d2000-0x0d2fff:S,
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0x0df000-0x0dffff:S, 0x0e0000-0x0e0fff:S, 0x0e1000-0x0e1fff:S, 0x0e2000-0x0e2fff:S,
0x0e3000-0x0e3fff:S, 0x0e4000-0x0e4fff:S, 0x0e5000-0x0e5fff:S, 0x0e6000-0x0e6fff:S,
0x0e7000-0x0e7fff:S, 0x0e8000-0x0e8fff:S, 0x0e9000-0x0e9fff:S, 0x0ea000-0x0eafff:S,
0x0eb000-0x0ebfff:S, 0x0ec000-0x0ecfff:S, 0x0ed000-0x0edfff:S, 0x0ee000-0x0eefff:S,
0x0ef000-0x0effff:S, 0x0f0000-0x0f0fff:S, 0x0f1000-0x0f1fff:S, 0x0f2000-0x0f2fff:S,
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0x28f000-0x28ffff:S, 0x290000-0x290fff:S, 0x291000-0x291fff:S, 0x292000-0x292fff:S,
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0x29f000-0x29ffff:S, 0x2a0000-0x2a0fff:S, 0x2a1000-0x2a1fff:S, 0x2a2000-0x2a2fff:S,
0x2a3000-0x2a3fff:S, 0x2a4000-0x2a4fff:S, 0x2a5000-0x2a5fff:S, 0x2a6000-0x2a6fff:S,
0x2a7000-0x2a7fff:S, 0x2a8000-0x2a8fff:S, 0x2a9000-0x2a9fff:S, 0x2aa000-0x2aafff:S,
0x2ab000-0x2abfff:S, 0x2ac000-0x2acfff:S, 0x2ad000-0x2adfff:S, 0x2ae000-0x2aefff:S,
0x2af000-0x2affff:S, 0x2b0000-0x2b0fff:S, 0x2b1000-0x2b1fff:S, 0x2b2000-0x2b2fff:S,
0x2b3000-0x2b3fff:S, 0x2b4000-0x2b4fff:S, 0x2b5000-0x2b5fff:S, 0x2b6000-0x2b6fff:S,
0x2b7000-0x2b7fff:S, 0x2b8000-0x2b8fff:S, 0x2b9000-0x2b9fff:S, 0x2ba000-0x2bafff:S,
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0xfba000-0xfbafff:S, 0xfbb000-0xfbbfff:S, 0xfbc000-0xfbcfff:S, 0xfbd000-0xfbdfff:S,
0xfbe000-0xfbefff:S, 0xfb0000-0xfb0fff:S, 0xfc0000-0xfc0fff:S, 0xfc1000-0xfc1fff:S,
0xfc2000-0xfc2fff:S, 0xfc3000-0xfc3fff:S, 0xfc4000-0xfc4fff:S, 0xfc5000-0xfc5fff:S,
0xfc6000-0xfc6fff:S, 0xfc7000-0xfc7fff:S, 0xfc8000-0xfc8fff:S, 0xfc9000-0xfc9fff:S,
0xfca000-0xfcafff:S, 0xfcb000-0xfcbfff:S, 0xfcc000-0xfccfff:S, 0xfcd000-0xfcdfff:S,
0xfce000-0xfcefff:S, 0xfc0000-0xfc0fff:S, 0xfd0000-0xfd0fff:S, 0xfd1000-0xfd1fff:S,
0xfd2000-0xfd2fff:S, 0xfd3000-0xfd3fff:S, 0xfd4000-0xfd4fff:S, 0xfd5000-0xfd5fff:S,
0xfd6000-0xfd6fff:S, 0xfd7000-0xfd7fff:S, 0xfd8000-0xfd8fff:S, 0xfd9000-0xfd9fff:S,
0xfda000-0xfdafff:S, 0xfdb000-0xfdbfff:S, 0xfdc000-0xfdcfff:S, 0xfdd000-0xfddfff:S,
0xfde000-0xfdefff:S, 0xfd0000-0xfd0fff:S, 0xfe0000-0xfe0fff:S, 0xfe1000-0xfe1fff:S,
0xfe2000-0xfe2fff:S, 0xfe3000-0xfe3fff:S, 0xfe4000-0xfe4fff:S, 0xfe5000-0xfe5fff:S,
0xfe6000-0xfe6fff:S, 0xfe7000-0xfe7fff:S, 0xfe8000-0xfe8fff:S, 0xfe9000-0xfe9fff:S,
0xfea000-0xfeafff:S, 0xfeb000-0xfebfff:S, 0xfec000-0xfecfff:S, 0xfed000-0xfedfff:S,

0xfee000-0xfeefff:S, 0xfef000-0xfeffff:S, 0xff0000-0xff0fff:S, 0xff1000-0xff1fff:S,
0xff2000-0xff2fff:S, 0xff3000-0xff3fff:S, 0xff4000-0xff4fff:S, 0xff5000-0xff5fff:S,
0xff6000-0xff6fff:S, 0xff7000-0xff7fff:S, 0xff8000-0xff8fff:S, 0xff9000-0xff9fff:S,
0xffa000-0xffafff:S, 0xffb000-0xffbfff:S, 0xffc000-0xffcfff:S, 0xffd000-0xffdfff:S,
0xffe000-0xffefff:S, 0xffff000-0xfffffff:S

Erase/write done.

Verifying flash... VERIFIED.

Restoring MMIO space at fe810022

Restoring MMIO space at fe810000