



Default Element CPU/GPIO BIOS Configuration

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This document contains default BIOS settings for the Axia Element CPU. This is intended for reference; clients should not attempt to change BIOS values without the express instruction of Axia Support.

To start up the Via motherboard in the Element GPIO you will need:

- 1) A keyboard w/PS2 connector
- 2) A Monitor

Connect keyboard to the proper jack. Connect power and, using a small screwdriver, short pins 6 and 8 together on the connector "Fpanel" (front right corner) to simulate a power-on button press. Note that Pin 15 is missing from header.

Immediately after shorting the pins keep tapping the "DEL" key until the BIOS config screen appears.

STANDARD CMOS SETTINGS:

- DATE [mm:dd:yy]
- TIME [24 hours format]
- IDE PRIMARY MASTER [COMPACT FLASH CARD]
- IDE PRIMARY SLAVE [NONE]
- IDE SECONDARY SLAVE [NONE]
- Drive A [NONE]
- Drive B [NONE]
- Halt On [ALL, but keyboard]

ADVANCED BIOS FEATURES:

- Virus Warning [Enabled]
- CPU I2 Cache ECC Checking [Enabled]
- Quick Power On Self test [Enabled]
- First Boot Device [HDD-0]
- Second Boot Device [Disabled]
- Third Boot Device [Disabled]
- Boot Other [Disabled]
- Swap Floppy drive [Disabled]
- Boot up Floppy seek [Disabled]
- Boot up Num Lock Status [On]
- Typematic rate Setting [Enabled]
- Typematic rate (Chars/sec) [30]
- Typematic delay [250]
- Security option [Setup]
- Display Full Screen Logo [Enabled]
- Show summary info [Disabled]
- Display Small logo [Disabled]



ADVANCED CHIPSET FEATURES

- AGP Aperture size [128meg]
- CPU to PCI Post Writer [Enabled]
- Select Display Device [CRT] (even though it will be an LCD)
- Panel type [1024*768]
- TV type [NTSC]
- CPU Direct access FB [Enabled]

INTEGRATED PERIPHERALS

- Super IO DEVICE
 - Onboard FDC Controller [Disabled]
 - Onboard Serial port 1 [3F8/IRQ4]
 - Onboard Serial port 2 [2F8/IRQ3]
 - Onboard Parallel port [378/IRQ7]
 - Parallel port mode [SPP]

- Onboard IDE Channel 1 [Enabled]
- Onboard IDE Channel 2 [Enabled]
- IDE Prefetch Mode [Enabled]
- Display Card Priority [AGP]
- Frame Size Buffer [16M]
- AC97 Audio [Disabled]
- MC97 Modem [Disabled]
- VIA OnChip Lan [Enabled]
- USB Keyboard Support [Disabled]
- Onboard LAN Boot ROM [Disabled]
- Onboard Fast IR [Disabled]

POWER MANAGEMENT SETUP

- ACPI Suspend Type [S1 (POS)]
- HDD power down [Disabled]
- Power Management Timer [Disabled]
- Video Off Option [Always ON]
- Power Off by PWRBTN [Instant OFF]
- Run VGABIO if S3 Resume [Auto]
- AC Loss Auto Restart [ON] (**Important**)

PERIPHERALS ACTIVITIES

- VGA Event [OFF]
- LPT & COM Event [LPT/COM]
- HDD & FDD Event [ON]
- PCI Master Event [OFF]
- PS2KB Wakeup Select [Hot Key]
- PS2KB Wakeup from S3/S4/S5 [Disabled]
- USB resume [Disabled]
- Power On by PCI Card [Disabled]
- Wake on LAN/RING Connector [Disabled]
- RTC Alarm Resume [Disabled]



IRQ ACTIVITIES

- Primary INTR [ON]
- IRQ3 (COM 2) [Disabled]
- IRQ4 (COM 1) [Enabled]
- IRQ5 (LPT2) [Enabled]
- IRQ6 (Floppy Disk) [Enabled]
- IRQ7 (LPT1) [Enabled]
- IRQ8 [Disabled]
- IRQ9 [Disabled]
- IRQ10 [Disabled]
- IRQ11 [Disabled]
- IRQ12 (PS/2 Mouse) [Enabled]
- IRQ13 (CoProcessor) [Enabled]
- IRQ14 (Hard Disk) [Enabled]
- IRQ15 (Reserved) [Disabled]

PNP/PCI CONFIGURATION

- PNP OS installed [NO]
- Reset Config Data [Disabled]
- Resources controlled by [Auto (ESCD)]
- Assign IRQ for VGA [Enabled]
- Assign IRQ for USB [Enabled]

For questions or further instructions, please contact Axia Support at +1-216-241-7225 or email support@AxiaAudio.com .