

# Настройка BIOS

Лекцию подготовил  
преподаватель  
Тукубаев Андрей Серикович

Конспект лекции [vk.com/as\\_os](https://vk.com/as_os)

686  
AMIBIOS®  
©1999  
YH79  
6 4 6 6

128

10

64

001



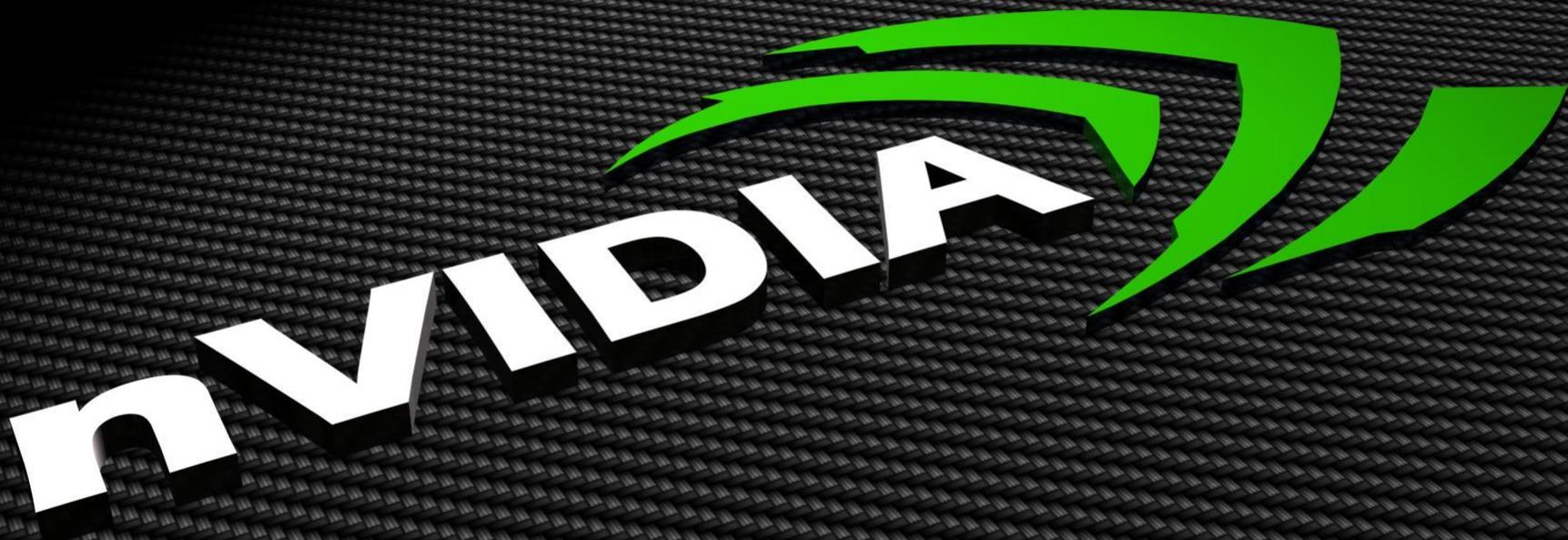
**GIGABYTE®**

**002**

**MSRock**

Z68 Professional Gen 3

**003**



005

006



007



008



 Award Modular BIOS v6.00PG  
Copyright (C) 1984-2011, Award Software, Inc.

Z68X-UD3P-B3 F4

Main Processor : Intel(R) Core(TM) i5-2500K CPU 4.70GHz(100x47)  
<CPUID:000206A7 Patch ID:00000014>  
Memory Testing : 4080MB OK

Memory Frequency 1600MHz

<DEL>:BIOS Setup <F9>:XpressRecovery2 <F12>:Boot Menu <End>:Qflash  
05/02/2011-Z68-7A89VG0UC-00

009

X7

F8

F9

F10

F11

F12

Print  
Screen  
SysRq

Scroll  
Lock

Pause  
Break

Mode

ON/OFF



G800V

X7  
WINNER'S CHOICE

(  
9

)  
0

-  
\_

+  
=

← Backspace

G14

G15

G16

Insert

Home

Page  
Up

Num  
Lock

/  
\_

\*  
=

7  
Home

8  
↑

9  
PgUp

+

4  
←

5  
○

6  
→

1  
End

2  
↓

3  
PgDn

Enter

0  
Ins

·  
Del

O

P

{  
[

}  
]

Enter ↵

K

L

:  
;

"  
,

:  
\

<  
,

>  
.

?  
/

⇧ Shift

13

Alt



Ctrl

Delete

End

Page  
Down



010

 Award Modular BIOS v6.00PG  
 Copyright (C) 1984-2011, Award Software, Inc.

Z68X-UD3P-B3 F4

Main Processor : Intel(R) Core(TM) i5-2500K CPU 4.70GHz(100x47)  
<CPUID:000206A7 Patch ID:00000014>  
Memory Testing : 4080MB OK

Memory Frequency 1600MHz

<DEL>:BIOS Setup <F9>:XpressRecovery2 <F12>:Boot Menu <End>:Qflash  
05/02/2011-Z68-7A89VG0UC-00

011



012

- ▶ Standard CMOS Features
- ▶ Advanced BIOS Features
- ▶ Advanced Chipset Features
- ▶ Integrated Peripherals
- ▶ Power Management Features
- ▶ PNP/PCI Configurations
- ▶ PC Health Status

▶ Cell\_Menu

- Load Fail-Safe Defaults
- Load Optimized Defaults
- BIOS Setting Password
- Save & Exit Setup
- Exit Without Saving

↑↓←→:Move Enter:Select +/-/:Value F10:Save ESC:Exit F1:General Help  
F6:Load Optimized Defaults F7 :Load Fail-Safe Defaults

Set Frequency, Spread Spectrum Function ...

Standard CMOS Features	[ Setup Help ]
System Time <b>16:10:28</b> System Date <b>Mar 14 2003 Fri</b>	Time is 24 hour format
Current Language <b>English</b>	Hour: 00 - 23 Minute: 00 - 59 Second: 00 - 59
▶ Primary IDE Master	
▶ Primary IDE Slave	
▶ Secondary IDE Master	(1:30AM = 01:30:00, 1:30PM = 13:30:00)
▶ Secondary IDE Slave	
▶ Third IDE Master <b>Not Installed</b>	
▶ Third IDE Slave <b>Not Installed</b>	
▶ Fourth IDE Master <b>Not Installed</b>	
▶ Fourth IDE Slave <b>Not Installed</b>	
Floppy Drive A <b>1.44 MB 3.5</b> Floppy Drive B <b>Not Installed</b>	


 probios.ru

014

 F1:Help      ↑↓:Select Item  
 Esc:Previous Menu

 +/-:Change Values  
 Enter:Select ▶Sub-Menu

 F9:Setup Defaults  
 F10:Save & Exit

## Advanced BIOS Features

[ Setup Help ]

Quick Boot	Enabled
▶ Boot Device Select ...	
Full Screen LOGO Show	Disabled
S.M.A.R.T. for Hard Disks	Disabled
BootUp Num-Lock	On
Floppy Drive Swap	Disabled
Floppy Drive Seek	Disabled
Password Check	Setup
Save current ROM to HDD	No
Boot To OS/2	No
Hyper Threading Function	Enabled
MPS Revision	1.4
APIC ACPI SCI IRQ	Disabled
CPU L1 & L2 Cache	Enabled
System BIOS Cacheable	Disabled
C000,32k Shadow	Cached


 probios.ru

 F1:Help      ↑↓:Select Item  
 Esc:Previous Menu

 +/-:Change Values  
 Enter:Select ▶Sub-Menu

 F9:Setup Defaults  
 F10:Save & Exit

## Advanced Chipset Features

[ Setup Help ]

▶ DRAM Timing Setting ...

AGP Aperture Size 64MB

Internal Graphics Mode Select 8MB

F1:Help

Esc:Previous Menu

↑↓:Select Item

+/-:Change Values

Enter:Select ▶Sub-Menu

F9:Setup Defaults

F10:Save &amp; Exit

## Power Management Features

[ Setup Help ]

ACPI Standby State	S1/POS
Re-Call VGA BIOS at S3 Resuming	Enabled
Power Management/APM	Enabled
Suspend Time Out (Minute)	Disabled
Power Button Function	On/Off
Restore on AC/Power Loss	Last State
▶ Set Monitor Events ...	
▶ Set Wake Up Events ...	

probios.ru

F1:Help      ↑↓:Select Item  
Esc:Previous Menu+/-:Change Values  
Enter:Select ▶Sub-MenuF9:Setup Defaults  
F10:Save & Exit

## PNP/PCI Configurations

[ Setup Help ]

Clear NURAM	No
PCI Latency Timer (PCI Clocks)	32
Init. Graphics Adapter Priority	AGP/Int-VGA
PCI IDE BusMaster	Disabled
PCI Slot1 IRQ Priority	Auto
PCI Slot2/5 IRQ Priority	Auto
PCI Slot3 IRQ Priority	Auto
PCI Slot4 IRQ Priority	Auto
▶ Set IRQs to PCI or ISA	
▶ Set DMAs to PnP or ISA	

probios.ru

F1:Help      ↑↓:Select Item  
Esc:Previous Menu+/-:Change Values  
Enter:Select ▶Sub-MenuF9:Setup Defaults  
F10:Save & Exit

## Integrated Peripherals

[ Setup Help ]

USB Controller	Enabled
USB Device Legacy Support	Disabled
▶ On-Chip IDE Configuration	
C.S.A. Gigabit Ethernet	Auto
OnBoard 1394	Enabled
OnBoard Promise IDE	As S-ATA
AC'97 Audio	Auto
▶ Set Super I/O	

probios.ru

F1:Help      ↑↓:Select Item  
Esc:Previous Menu+/-:Change Values  
Enter:Select ▶Sub-MenuF9:Setup Defaults  
F10:Save & Exit

## PC Health Status

[ Setup Help ]

Chassis Intrusion	Disabled
CPU Temperature	80°C/176°F
System Temperature	39°C/102°F
CPU Fan Speed	4328RPM
MB Fan Speed	2516RPM
Vcore	1.748V
3.3V	3.310V
+ 5.0V	5.143V
+12.0V	11.857V
-12.0V	12.125V
- 5.0V	4.986V
Battery	3.254V
+5V SB	4.892V

probios.ru

F1:Help      ↑↓:Select Item  
Esc:Previous Menu+/-:Change Values  
Enter:Select ▶Sub-MenuF9:Setup Defaults  
F10:Save & Exit

## Frequency/Voltage Control

[ Setup Help ]

CPU Ratio Selection	8.0x
DRAM Frequency	Auto
Spread Spectrum	Enabled
Adjust CPU Bus Clock(MHz)	133
DDR Clock(MHz)	133
Adjust AGP/PCI Clock(MHz)	66.66/33.33
CPU Vcore Adjust	No
CPU Vcore	1.750V
DDR Power Voltage	2.50V
AGP Power Voltage	1.50V

probios.ru

F1:Help      ↑↓:Select Item  
Esc:Previous Menu+/-:Change Values  
Enter:Select ▶Sub-MenuF9:Setup Defaults  
F10:Save & Exit