

FreeNAS® Mini XL+ Out of Band Management

Version 1.0



Contents

1 Out of Band Management	1
1.1 Open the BIOS	1
1.2 IPMI Options	2
1.3 DHCP Address Configuration	3
1.4 Configuring a Static IP Address	4
1.5 The Graphical IPMI	5
2 Contacting iXsystems	6

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1. Out-of-Band Management

Out of Band Management enables remote control of the system. Administrative control options include powering the system on and off, resetting the configuration, and viewing the system log. Before attempting to configure FreeNAS® for out-of-band management, ensure that the out-of-band management port is connected to an appropriate network. Refer to the guide included with the FreeNAS® Mini for detailed instructions on how to connect to a network.

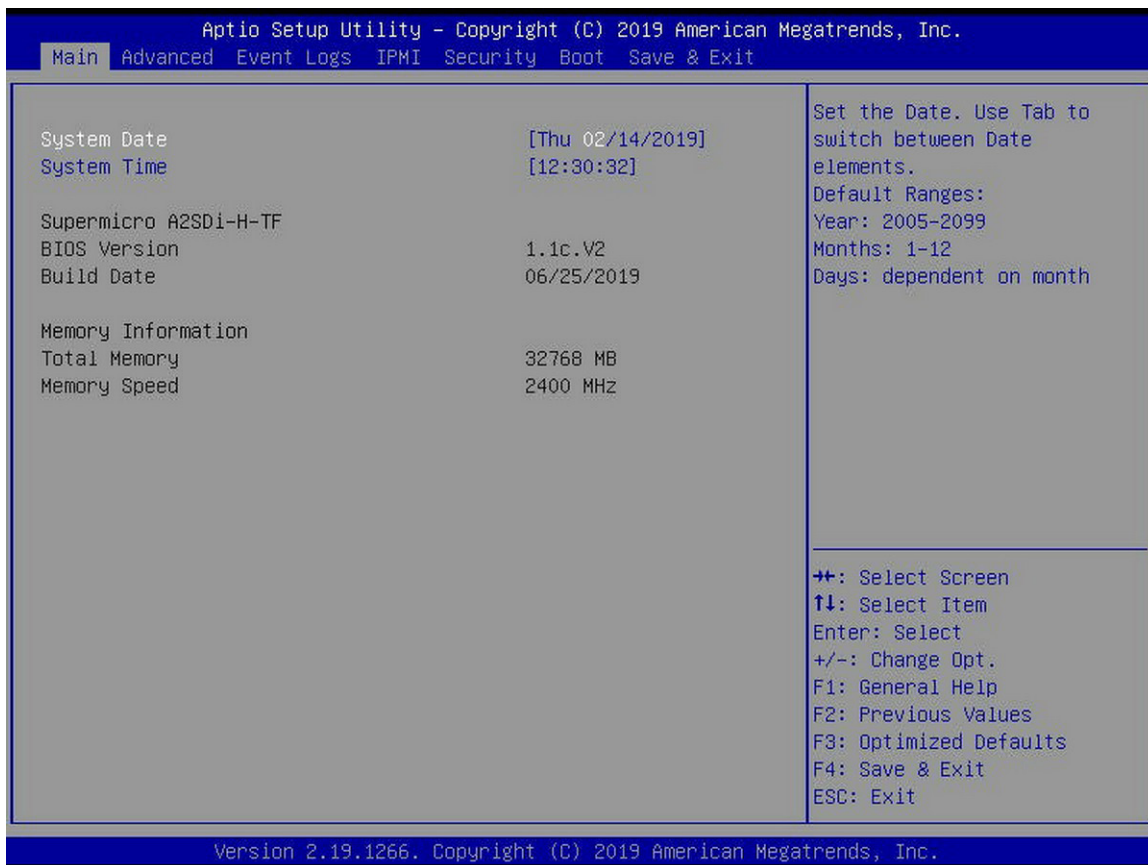
Connect the out-of-band management port before powering on the FreeNAS® Mini.

This section contains instructions for configuring out-of-band management from the BIOS if needed. The FreeNAS web interface also has IPMI configuration options. See the IPMI section of the FreeNAS User Guide for more details.



1.1 Open the BIOS

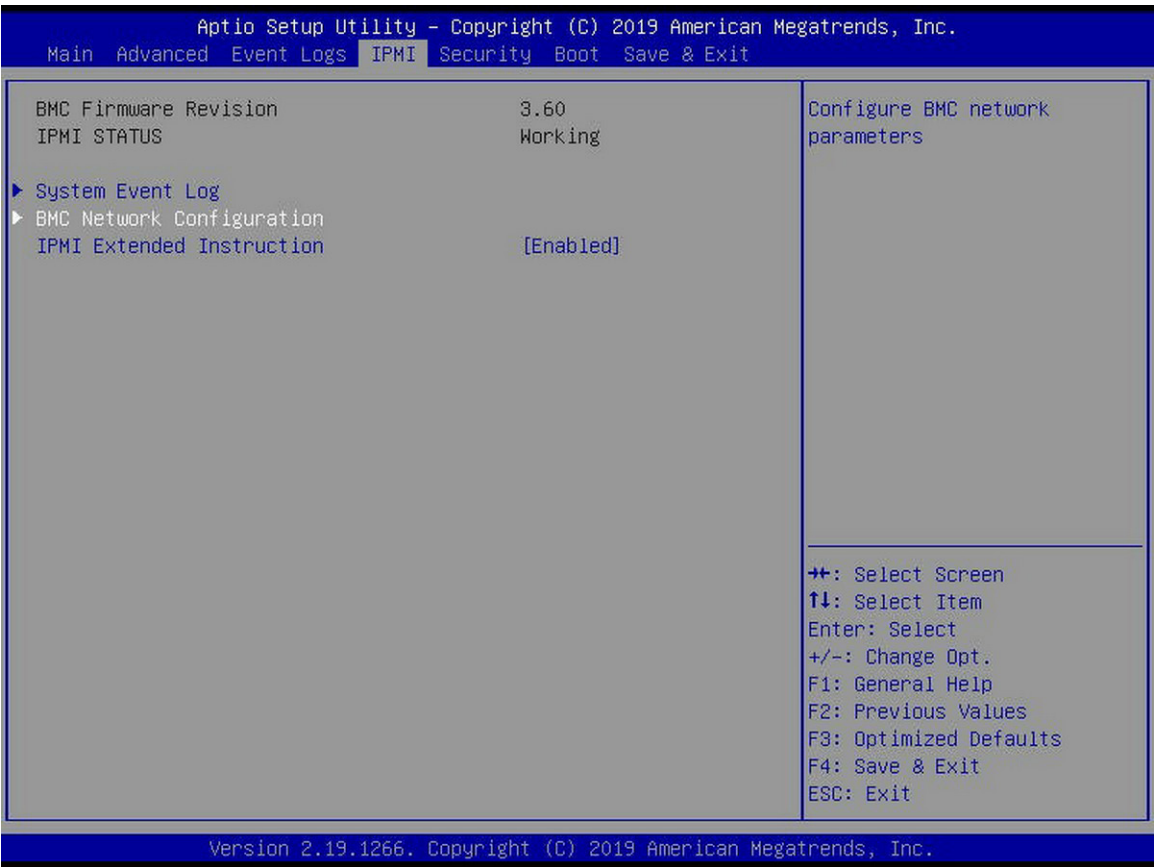
Press **Delete** at the splash screen while the FreeNAS® Mini is booting to access the system BIOS.



Initial BIOS Screen

1.2 IPMI Options

Select the **IPMI** tab and open the **BMC Network Configuration** options



IPMI Page

1.3 DHCP Address Configuration

Set **Update IPMI LAN Configuration** to **Yes** to see all options. Set the **Configuration Address Source** to DHCP to assign the out-of-band management IP address dynamically. The menu shows any IP addresses that have been assigned by DHCP.

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IPMI

BMC Network Configuration		BIOS will set below setting to IPMI in next BOOT
IPMI LAN Selection	[Failover]	
IPMI Network Link Status:	Dedicated LAN	
Update IPMI LAN Configuration	[No]	
Configuration Address Source	[Static]	
Station MAC Address	ac-1f-6b-4b-b1-04	
Station IP Address	010.215.003.214	
Subnet Mask	255.255.255.128	
Gateway IP Address	010.215.003.129	
VLAN	[Disable]	

++: Select Screen
↑↓: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F3: Optimized Defaults
F4: Save & Exit
ESC: Exit

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Configuring DHCP

1.4 Configuring a Static IP Address

Set the **Configuration Address Source** to **Static** to assign a static IP address for out-of-band management. Enter the desired IP address into the **IP Address** setting. Be sure to completely fill all four octets. Enter the correct values for the fields, **Station IP address**, **Subnet Mask**, and **Gateway IP Address** to assign a static IP address for out-of-band management.


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IPMI		
BMC Network Configuration		BIOS will set below setting to IPMI in next BOOT
IPMI LAN Selection	[Failover]	
IPMI Network Link Status:	Dedicated LAN	
Update IPMI LAN Configuration	[No]	
Configuration Address Source	[Static]	
Station MAC Address	ac-1f-6b-4b-b1-04	
Station IP Address	010.215.003.214	
Subnet Mask	255.255.255.128	
Gateway IP Address	010.215.003.129	
VLAN	[Disable]	
		++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
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Configuring a Static IP Address

Save the changes, exit the BIOS, and allow the system to boot.

1.5 The Graphical IPMI

Connect to the FreeNAS® Mini out-of-band management port by entering the IP address into a web browser from a system that is either within the same network or which is directly wired to the array. A login prompt appears.



Please Login

Username

Password

Log in using the default **Username** of **ADMIN** and the default **Password** of **ADMIN**.

See the IPMI section in the FreeNAS® User Guide for instructions to change the administrative password.

2 Contacting iXsystems

For assistance, please contact iXSupport:

Contact Method	Contact Options
Web	https://support.ixsystems.com
Email	support@ixsystems.com
Telephone	Monday-Friday, 6:00AM to 6:00PM Pacific Standard Time: <ul style="list-style-type: none">• US-only toll-free: 855-473-7449 option 2• Local and international: 408-943-4100 option 2
Telephone	Telephone After Hours (24x7 Gold Level Support only): <ul style="list-style-type: none">• US-only toll-free: 855-499-5131• International: 408-878-3140 (International calling rates will apply)