TrueNAS® Mini E
Out of Band Management
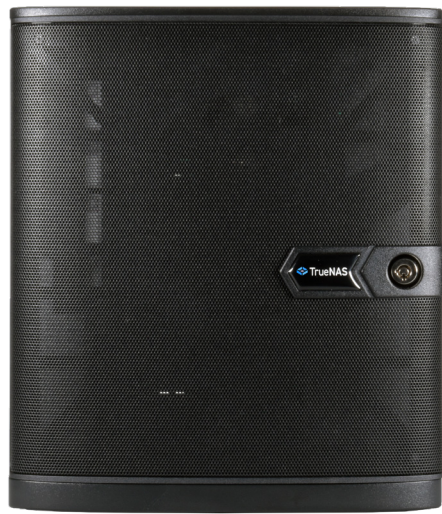
# Contents

This document contains instructions for configuring out-of-band management from the BIOS, if needed. When the hardware supports IPMI, the TrueNAS web interface also has IPMI configuration options. For more details, see https://www.truenas.com/docs/core/network/ipmi/.

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 TrueNAS for out-of-band management, ensure that the out-of-band management port is connected to an appropriate network. Refer to the TrueNAS Mini Basic Setup Guide included with your TrueNAS Mini for detailed instructions on how to connect to physical ports on the system.

Connect the out-of-band management port before powering on the TrueNAS Mini. You might also need to connect a monitor and keyboard to the system.
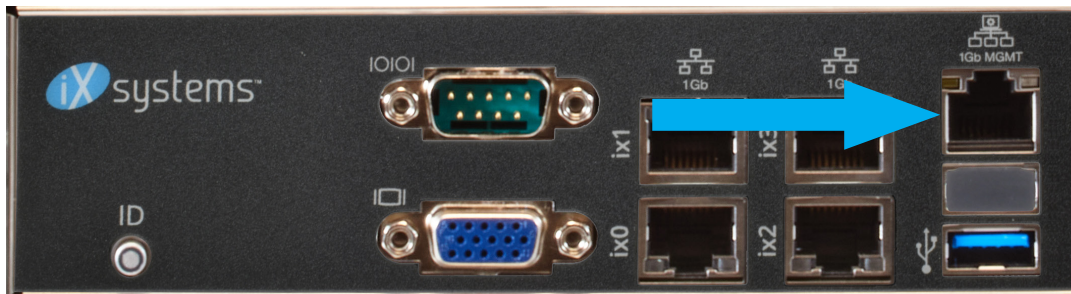
1 Access the BIOS

Press Delete at the splash screen while the TrueNAS Mini is booting to access the system BIOS.

1.1 IPMI Options

Select the **Server Mgmt** tab and open the **BMC Network Configuration** options.

```
         Aptio Setup Utility - Copyright (C) 2019 American Megatrends, Inc.
   Main   Advanced   Security   Boot   Event Logs   Server Mgmt   Exit

   BMC Self Test Status    PASSED                    Configure BMC network
   Wait For BMC            [Enabled]                 parameters
   Inventory support       [Enabled]
 ▶ System Event Log
 ▶ BMC Network Configuration

                                                     ←→: Select Screen
                                                     ↑↓: Select Item
                                                     Enter: Select
                                                     +/-: Change Option
                                                     F1: General Help
                                                     F7: Discard Changes
                                                     F9: Load UEFI Defaults
                                                     F10: Save and Exit
                                                     ESC: Exit

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                                                                              AB
```
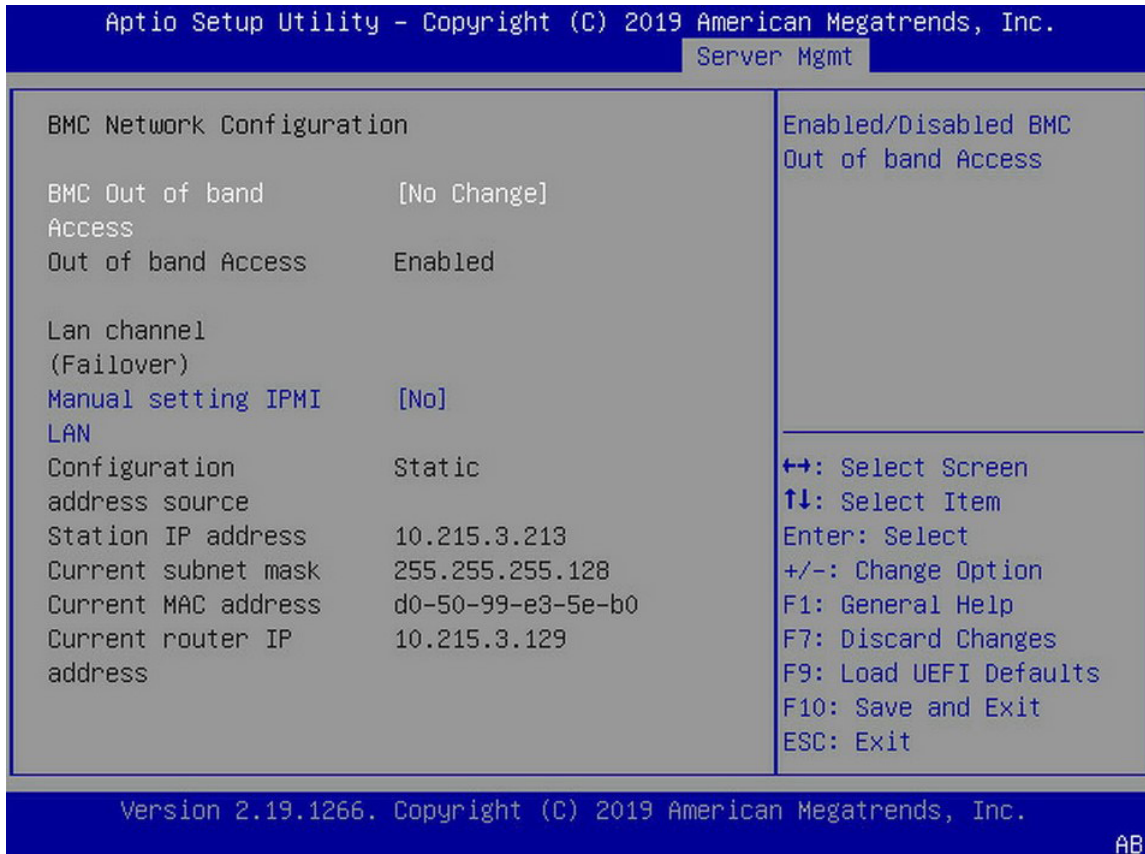
1.2 DHCP Address Configuration

Set **Out of band Access** to *Enabled*. Set the **Manual setting IPMI** to *No* to assign the out-of-band management IP address dynamically. The menu shows any IP addresses that have been assigned by DHCP.

```
         Aptio Setup Utility – Copyright (C) 2019 American Megatrends, Inc.
                                              Server Mgmt

 BMC Network Configuration                          Enabled/Disabled BMC
                                                    Out of band Access
 BMC Out of band          [No Change]
 Access
 Out of band Access       Enabled

 Lan channel
 (Failover)
 Manual setting IPMI      [No]
 LAN
 Configuration            Static               ↔: Select Screen
 address source                                ↑↓: Select Item
 Station IP address       10.215.3.213         Enter: Select
 Current subnet mask      255.255.255.128      +/-: Change Option
 Current MAC address      d0-50-99-e3-5e-b0    F1: General Help
 Current router IP        10.215.3.129         F7: Discard Changes
 address                                       F9: Load UEFI Defaults
                                               F10: Save and Exit
                                               ESC: Exit

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                                                                           AB
```
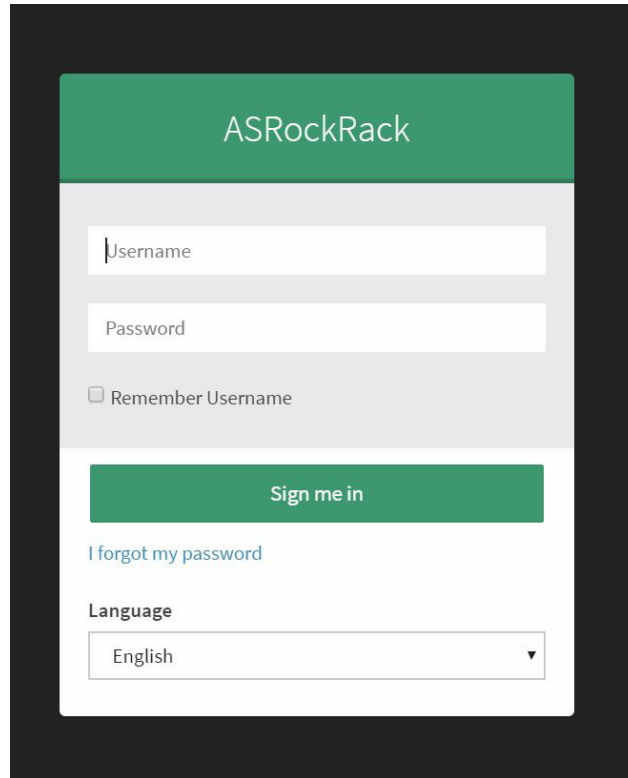
1.3 Configuring a Static IP Address

Set **Out of band Access** to *Enabled*. Set the **Manual setting IPMI** to *Yes* to manually assign the out-of-band management IP address. Enter the correct values for the **Station IP address**, **Current subnet mask**, and **Current router IP** fields to assign a static IP address for out-of-band management. Be sure to completely fill all four octets for the **Station IP address**.

```
        Aptio Setup Utility - Copyright (C) 2019 American Megatrends, Inc.
                                                      Server Mgmt

  BMC Network Configuration                          Enabled/Disabled BMC
                                                     Out of band Access
  BMC Out of band          [No Change]
  Access
  Out of band Access       Enabled

  Lan channel
  (Failover)
  Manual setting IPMI      [No]
  LAN
  Configuration            Static                  ↔: Select Screen
  address source                                   ↑↓: Select Item
  Station IP address       10.215.3.213            Enter: Select
  Current subnet mask      255.255.255.128         +/-: Change Option
  Current MAC address      d0-50-99-e3-5e-b0       F1: General Help
  Current router IP        10.215.3.129            F7: Discard Changes
  address                                          F9: Load UEFI Defaults
                                                   F10: Save and Exit
                                                   ESC: Exit


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                                                                       AB
```

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

2 Logging in to the IPMI Web Interface

Connect to the TrueNAS 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.

Log in using the default credentials:

`Username: ADMIN`

Passwords are randomized for security. Check the sticker on the back of the system for your unique IPMI password. See https://www.truenas.com/docs/sb-327 for more details.

3 Contacting iXsystems

For assistance, please contact iXsystems Support:

Contact Method	Contact Options
Web	https://support.ixsystems.com
Email	support@iXsystems.com
Telephone	Monday-Friday, **6:00AM** to **6:00PM** Pacific Standard Time: ・US-only toll-free: **1-855-473-7449** option 2 ・Local and international: **1-408-943-4100** option 2
Telephone	Telephone After Hours (24x7 Gold Level Support only): ・US-only toll-free: **1-855-499-5131** ・International: **1-408-878-3140** (International calling rates will apply)