

Use Intel AMT (vPro) for Remote Administration

Intel AMT (vPro) is available for remote administration on the next generation Axcient BDR hardware.

This guide will walk you through enabling the feature on your device, enabling remote access, and configuring your client tools to connect to the device.

Prerequisite

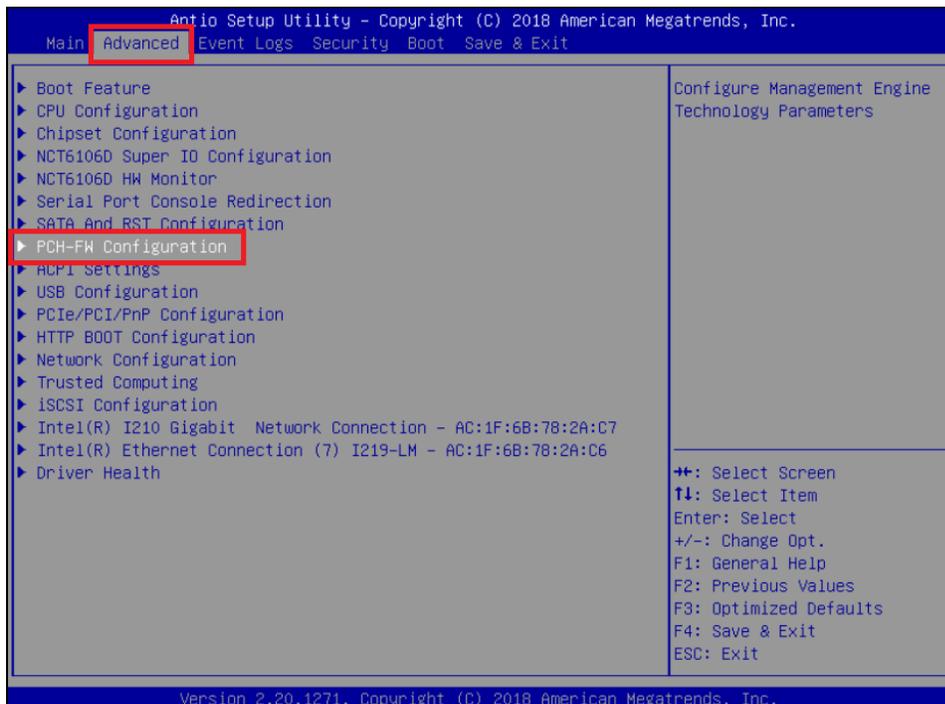
Remote administration requires the Intel Manageability Commander or other AMT compatible tools. You can pre-install the Intel Manageability Commander on a remotely accessible Windows system at the customer location, or configure port forwarding or VPN access via the firewall to enable control from a remote site.

Download the **Intel Manageability**

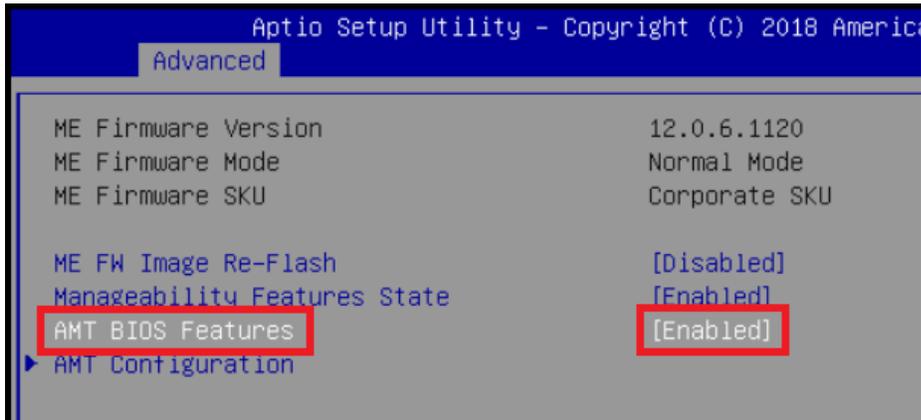
Commander here: <https://downloadcenter.intel.com/product/97425/Intel-Manageability-Commander>]

Enabling Intel AMT (vPro) Settings within the BIOS

1. At power on, wait for the system splash screen and press to enter the BIOS



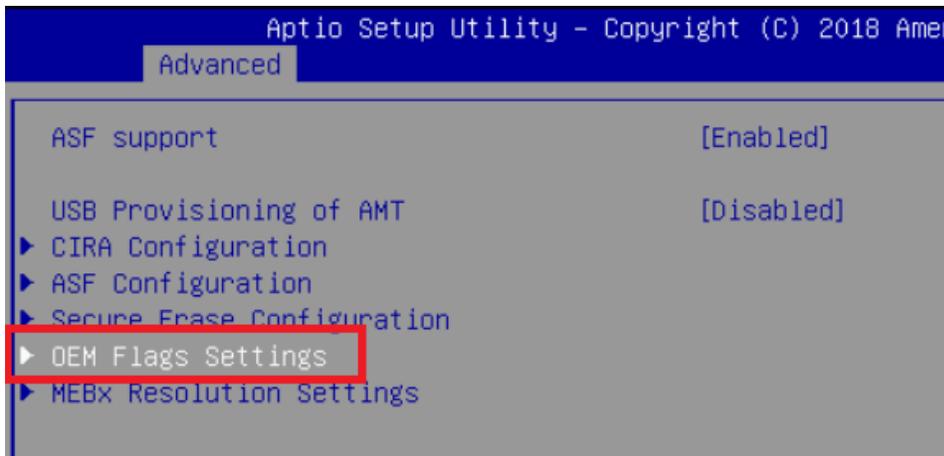
2. Once in the BIOS, navigate to the *Advanced* tab at the top and expand **PCH-FW Configuration**



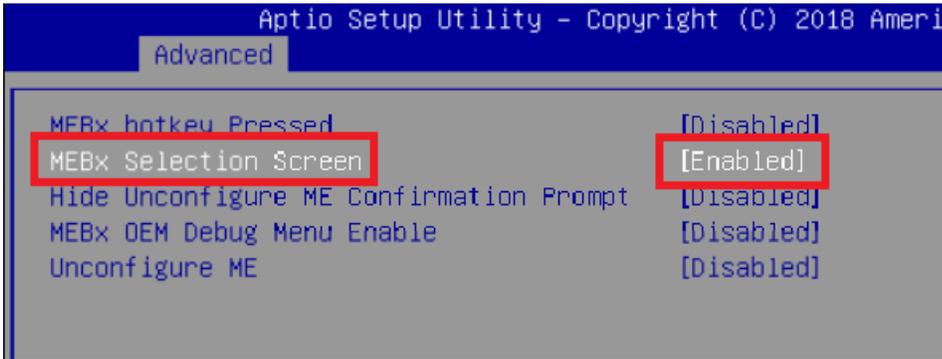
3. Set *AMT BIOS Features* to **Enabled**



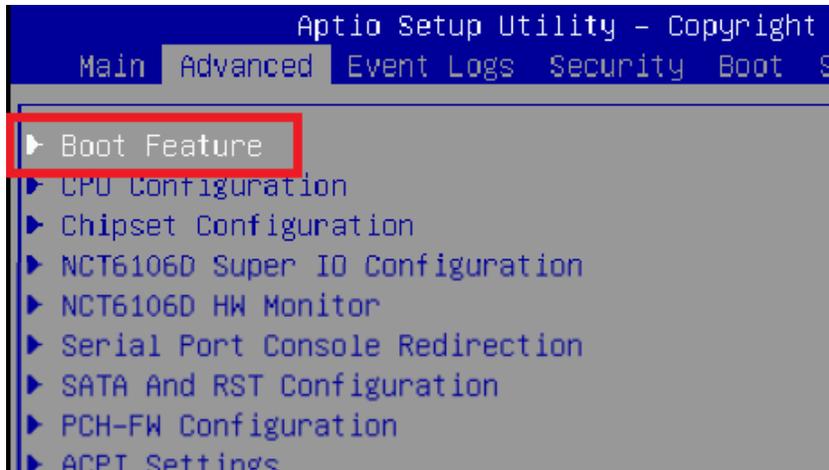
4. Select and expand *AMT Configuration*



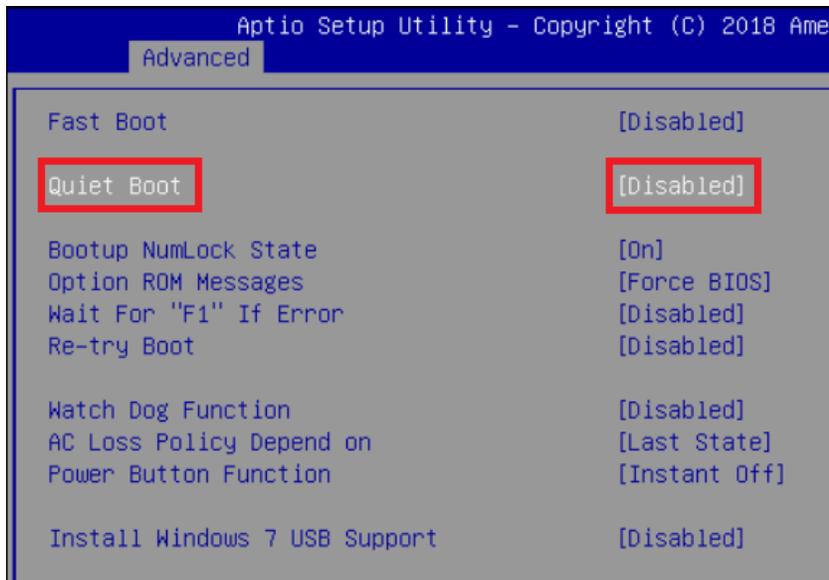
5. Select and expand *OEM Flags Settings*



6. Set *MEBx Selection Screen* to **Enabled**



7. Exit back to the *Advanced* menu and then select and expand **Boot Feature**



8. Set *Quiet Boot* to **Disabled**

9. Exit BIOS, then power the unit off and on to reboot.

Configure Intel AMT (vPro) Settings for Remote Access

Once the above BIOS configuration steps have been completed, the Intel AMT setup prompt will be displayed during boot up.

1. Press **<CTRL>-P** to enter the MEBx setup menu on boot

```
Supermicro X11SCV-Q BIOS Date:08/03/2018 Rev:1.0

CPU : Intel(R) Core(TM) i5-8500 CPU @ 3.00GHz
Speed : 3.00 GHz
The IMC is operating with DDR4 2400 MHz

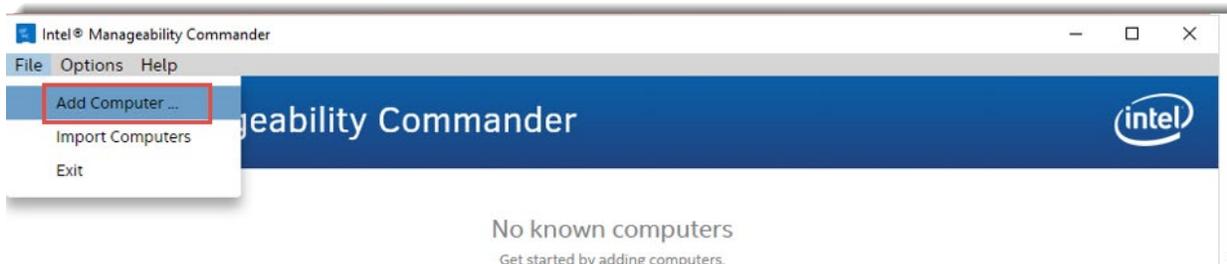
Press DEL to run Setup
Press F11 to invoke Boot Menu
Press F12 to boot from PXE/LAN.
Press <CTRL + P> to Enter MEBx setup menu
Press <CTRL + ALT + F1> Remote Assistance

B4
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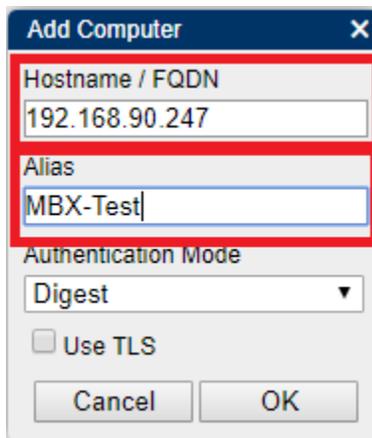
2. Once the MEBx menu opens, select **MEBx Login**
3. On first use enter 'admin' for the current password, then type a new password twice to set the remote access password
4. Select **Intel AMT Configuration**
 - Set Manageability Feature Selection to Enabled
 - Select Network Setup
 - Select TCP/IP Settings
 - Select Wired LAN IPv4 Configuration
 - Set DHCP Mode to Disabled
 - Set appropriate settings for IPv4 Address, Subnet Mask Address, Default Gateway Address, and DNS Address
5. Press <ESC> repeatedly and select <Y> to exit the configuration utility

Accessing Your BDR via Intel AMT (vPro)

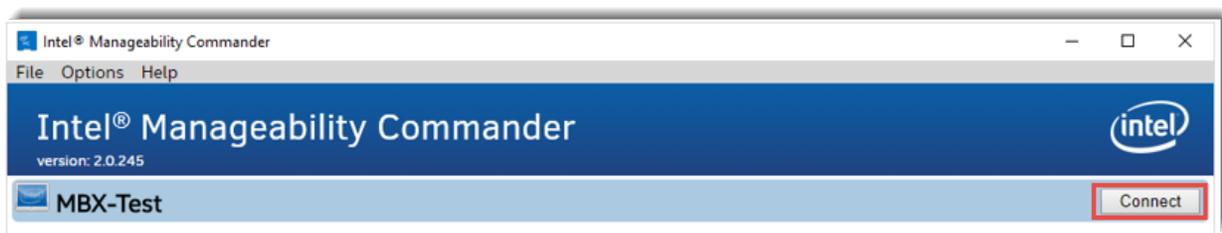
1. To access your device remotely, first download and install the [Intel Manageability Commander](#).
2. Launch the Intel Manageability Commander and from the *File* menu select **Add Computer**.



3. Fill in the **Hostname/FQDN** and **Alias** fields and click **OK**.



4. Click **Connect** on the remote system entry you just configured.



5. Enter 'admin' for the username, and the password you set earlier in the MEBx Setup Menu. Click **OK** to continue.

Login Required

Username:
admin

Password:

Cancel OK

6. *System Status* will display. Select options from the left menu:

Intel® Manageability Commander
version: 2.0.245

Disconnect

System Status
Remote Desktop
Remote Secure Erase
Network Settings
User Accounts
Alarm Clocks
Event Log
Hardware Information

System Status

Power	Powered on, Plugged-in
Name & Domain	-
System ID	00000000-0000-0000-0000-ac1f6b782ac6
Intel® ME	v12.0.6, activated in Admin Control Mode (ACM)
Active Features	Redirection Port, Serial-over-LAN, IDE-Redirection, KVM Remote Desktop
Remote Desktop	Primary display, 30 minutes session timeout
User Consent	Not Required
Power Policy	Desktop: ON in S0, ME Wake in S3, S4-5
Date & Time	2/27/2019, 1:21:14 PM

Refresh

- *System Status* displays information about the remote system
Click items in blue to change settings (e.g. *Remote Desktop* defaults to 3 minute timeout)
- *Remote Desktop* provides KVM (Keyboard-Video-Mouse) access to the remote system,
- **WARNING:** *Remote Secure Erase* provides a means to completely wipe the remote system's hard drives (**Dangerous!**)
- *Network Settings* displays current settings of the AMT adapter
- *User Accounts* provides for customized remote access control settings
- *Alarm Clocks* let you set various alarm times
- *Event Log* records detailed auditing of recent events
- *Hardware Information* provides detailed information about the system hardware