

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 Manageablity

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

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**



Ap	tio	Setup	Utility	Copyright	(0)	2018	Americ

Advanced

ME Firmware Version ME Firmware Mode ME Firmware SKU

ME FW Image Re-Flash Manageability Features State AMT BIOS Features AMT Configuration 12.0.6.1120 Normal Mode Corporate SKU

> [Disabled] [Enabled] [Enabled]

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

Aptio Setup Utility – Advanced	Copyright (C) 2018 Ameri	
ME Firmware Version ME Firmware Mode ME Firmware SKU	12.0.6.1120 Normal Mode Corporate SKU	4. Select and expand
ME FW Image Re−Flash Manageability Features State AMT BIOS Features ▶ AMT Configuration	[Disabled] [Enabled] [Enabled]	AMT Configuration
Aptio Setup Utility Advanced	– Copyright (C) 2018 Ame	
ASF support	[Enabled]	
USB Provisioning of AMT CIRA Configuration ASF Configuration Secure Frase Configuration	[Disabled]	5. Select and expand OEM Flags Settings

MEBx Resolution Settings



Aptio Setup Utility – Copy Advanced MEBx botkey Pressed MEBx Selection Screen	right (C) 2018 Americ [Disabled] [Enabled]	6. Set <i>MEBx Selection</i> Screen to Enabled
Hide Unconfigure ME Confirmation Prompt MEBx OEM Debug Menu Enable Unconfigure ME	[Disabled] [Disabled] [Disabled]	
Aptio Setup Utility Main Advanced Event Logs Secur	– Copyright ity Boot S:	

▶ Boot Feature	
CPU Configurat	ion
Chipset Config	uration
NCT6106D Super	IO Configuration
► NCT6106D HW Mo	nitor
Serial Port Co	nsole Redirection
► SATA And RST C	onfiguration
▶ PCH-FW Configu	ration
► ACPI Settings	

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

Aptio Setup Util Advanced	ity – Copyright (C) 2018 Ame	
Fast Boot	[Disabled]	
Quiet Boot	[Disabled]	8. Set Q
Bootup NumLock State Option ROM Messages Wait For "F1" If Error Re—try Boot	[On] [Force BIOS] [Disabled] [Disabled]	9. Exit B unit off
Watch Dog Function AC Loss Policy Depend on Power Button Function	[Disabled] [Last State] [Instant Off]	
Install Windows 7 USB Support	[Disabled]	

8. Set Quiet Boot to Disabled

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

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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



- 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 <u>Intel Manageability</u> <u>Commander</u>.

2. Launch the Intel Manageability Commander and from the File menu select Add Computer.

Intel® Manageability Com	mander		×
le Options Help			
Add Computer	uaphility Commander	lint	
Import Computers eadincy Commander		uncer	
Exit			
	No known computers		
	No known computers		

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

Add Computer	×
Hostname / FQD 192.168.90.247	N 7
Alias MBX-Test	
Authentication M Digest	ode T
Use TLS	OK
Cancer	ON

4. Click **Connec**t 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.

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Login Required			
OK			
	OK		

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

Intel® Manageability Commander			-		×
File Options Help					
Intel [®] Manageability Commander				(inte	Ð
Disconnect	System Status				
System Status Remote Desktop Remote Secure Erase Network Settings User Accounts Alarm Clocks Event Log Hardware Information	Power	Powered on, Plugged-in			
	Name & Domain				
	System ID	00000000-0000-0000-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 syste,
- **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