Configuring Intel® Compute Stick STK2MV64CC/L for Intel® AMT

User's Guide

Featuring *Intel® SCS AMT Configuration Utility*

September 2017
Order Number: J79418-001

The Intel Compute Stick STK2MV64CC/L may contain design defects or errors known as errata that may cause the product to deviate from published specifications. Current characterized errata are documented in the Intel Compute Stick STK2MV64CC Technical Product Specification and Intel Compute Stick STK2MV64CC Specification Update.

Revision History

Revision	Revision History	Date
001	First release of *Configuring Intel Compute Stick STK2MV64CC/L for Intel AMT User's Guide*	September 2017

Disclaimer

This User's Guide applies to only the standard Intel Compute Sticks STK2MV64CC and STK2MV64CCL.

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Product Identification Information

Intel® Compute Stick Identification Information

Intel Product Code	MM#	Differentiating Features
BLKSTK2MV64CC	944715	Stick with US, UK, EU, AU power adapters, no OS
BLKSTK2MV64CCL	947056	Stick with CN, IN, BR, AR, KR power adapters, no OS

NOTE

In this document, the use of "Intel Compute Stick" will refer to the STK2MV64CC and STK2MV64CCL versions of the Intel Compute Stick.

Preface

Configuration of a personal computer for use with Intel® Active Management Technology (Intel® AMT) typically involves an initial setup using wired LAN, even if the user intends to use Wireless LAN (WLAN) for management. As the Intel Compute Stick does not contain a wired LAN device, this presents a challenge. This configuration guide provides instructions for setting up Intel AMT on the Intel Compute Stick using only WLAN. It does not provide details on Intel AMT nor on other Intel vPro technologies.

Intended Audience

The guide is intended to provide detailed instruction about how to configure Intel AMT on the Intel Compute Stick using only WLAN. It assumes some basic knowledge of Intel AMT and other Intel vPro-related technologies. It is specifically *not* intended for general audiences.

What This Document Contains

Chapter	Description
1	Product description of the Intel Compute Stick
2	Intel AMT configuration of the Intel Compute Stick

Typographical Conventions

This section contains information about the conventions used in this specification. Not all of these symbols and abbreviations appear in all specifications of this type.

Notes, Cautions, and Warnings

NOTE

Notes call attention to important information.

CAUTION

Cautions are included to help you avoid damaging hardware or losing data.

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1 Product Description

1.1 Overview

Intel® Compute Stick STK2MV64CC/L contains the features necessary to fully support Intel® Active Management Technology (Intel® AMT). These include:

- Intel® Core™ m5-6Y57 Processor
- Intel® Wireless-AC 8260 + BT 4.2
- Support for Intel® Virtualization Technology (Intel® VT-x)
- Support for Intel® Virtualization for Directed I/O (Intel® VT-d)
- Support for Intel® Trusted Execution Technology (Intel® TXT)
- Discrete Trusted Platform Module (TPM) v2.0.

This guide makes extensive use of *Intel® Setup and Configuration Software* (*Intel SCS*) *AMT Configuration Utility* (*ACU*) *Wizard* for initial configuration of the Intel Compute Stick. The *ACU Wizard* can be found in either the *Configurator Download Package* or in the full *Intel SCS Download Package*.

For information about...	Refer to:
Support for *Intel Setup and Configuration Software*	http://www.intel.com/content/www/us/en/support/software/manageability-products/intel-setup-and-configuration-software-intel-scs.html
Downloads for *Intel Setup and Configuration Software*	https://downloadcenter.intel.com/download/26505/Intel-Setup-and-Configuration-Software-Intel-SCS-?product=39104

2 Product Configuration

2.1 Overview

Intel AMT can be provisioned in two different modes: Client Control Mode (CCM), also called Host Based Configuration (HBC), and Admin Control Mode, or ACM. This guide will focus on using the *Intel ACU (AMT Configuration Utility) Wizard* to configure the Intel Compute Stick in CCM.

Assumptions:

- Windows* 10 Pro is installed with the latest drivers and BIOS available from Intel Download Center.
- Intel AMT has not been previously configured on the Intel Compute Stick (first-time configuration).

For information about...	Refer to:
Intel Compute Stick BIOS and Drivers	https://downloadcenter.intel.com/product/91979/

2.2 Configuring Intel AMT

1. Power on the Intel Compute Stick and boot into Windows.
2. Check to see if Windows .NET Framework 3.5 is enabled (*Control Pan*el – *Programs and Features – Turn Windows features on or off*). Enable it and reboot if not.
3. Copy the *ACU_Wizard* folder from the Intel SCS or Configurator package (from 1.1 Overview) onto the Intel Compute Stick.
4. Run the ACUWizard.exe **as *administrator*** (
5. **Figure** 1).

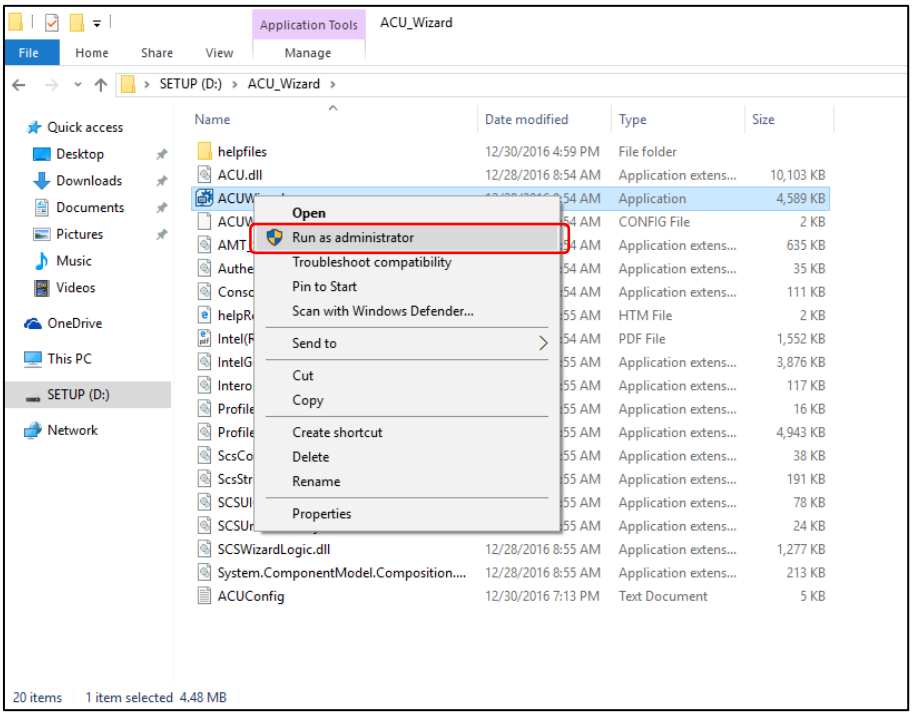

Figure 1. Launching ACUWizard.exe as *administrator*

6. Click “Configure/Unconfigure this system” (Figure 2).

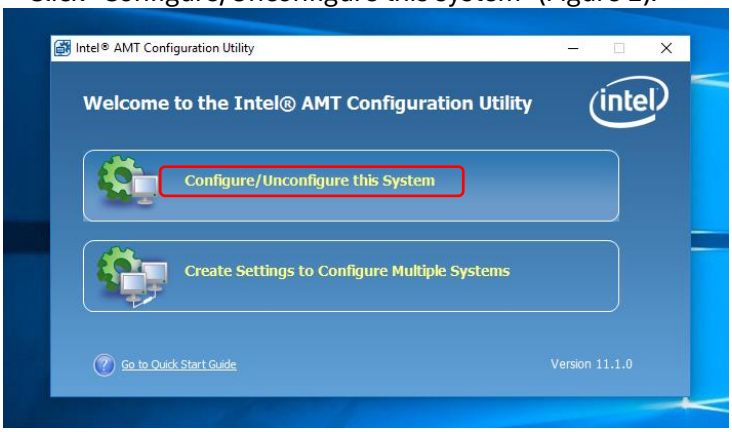

Figure 2. Intel ACU Welcome Screen

7. Verify that the system is configurable by clicking the “System Info…” button (**Figure 3**).

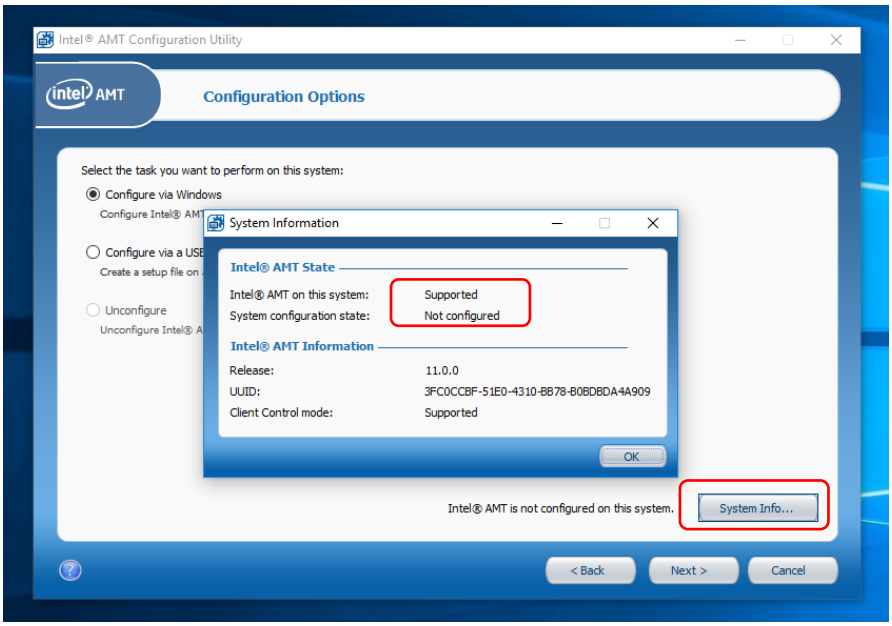

Figure 3. Intel ACU System Information – Verifying Configuration State

8. Select “Configure via Windows”, then “Next” (**Figure 4**).

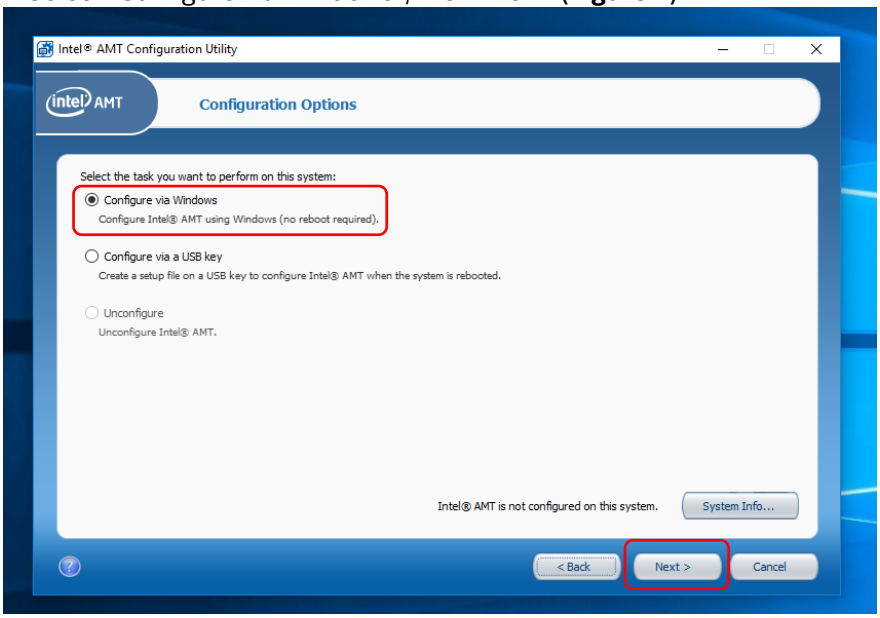

Figure 4. Intel ACU Configuration Options

9. In the “Configure via Windows” window, select the “Edit Configuration...” button (**Figure 5**).

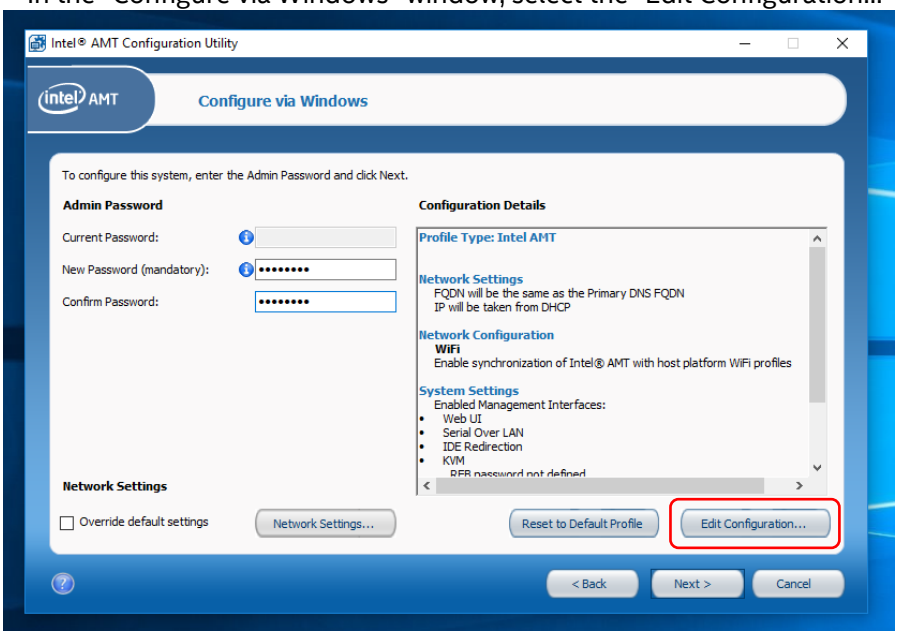

Figure 5. Intel ACU - Configure via Windows

10. Set up your wireless profile using the Configuration Profile Wizard (

11. **Figure** 6 - **Figure 10**).

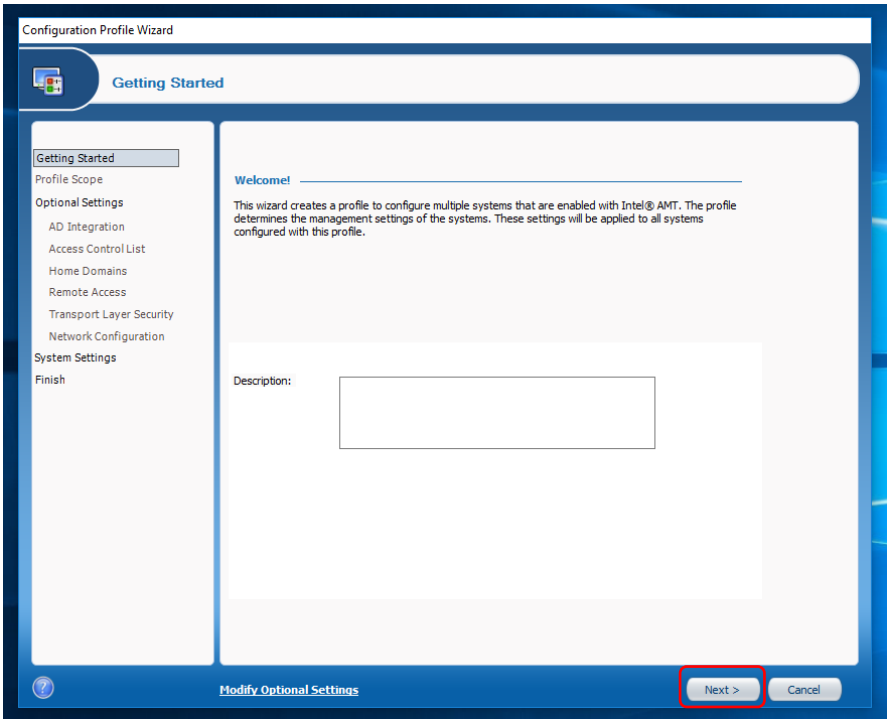

Figure 6. Intel ACU - Configuration Profile Wizard Welcome Screen

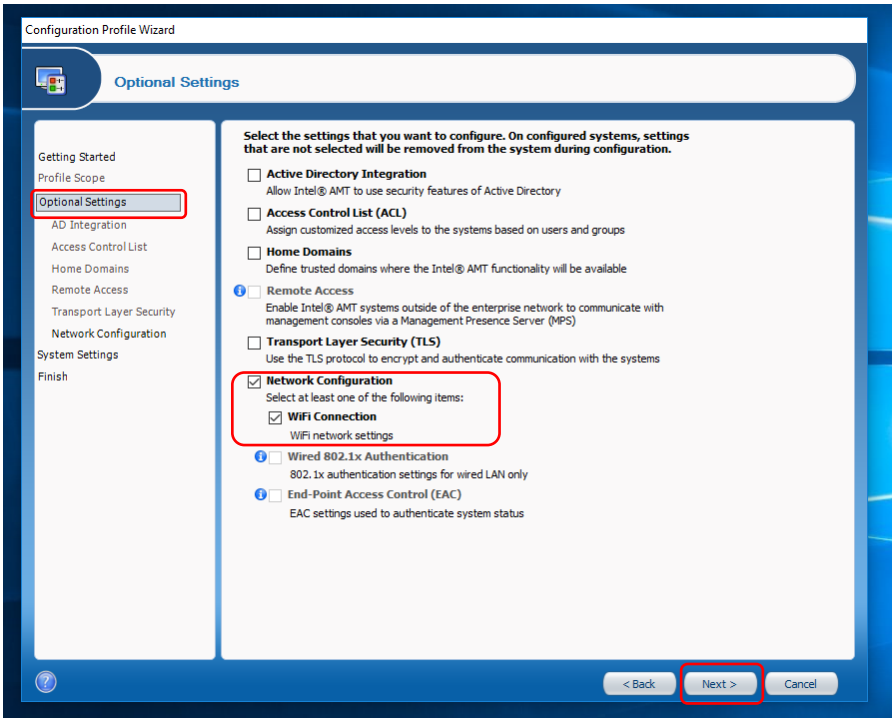

Figure 7. Configuration Profile Wizard: Optional Settings

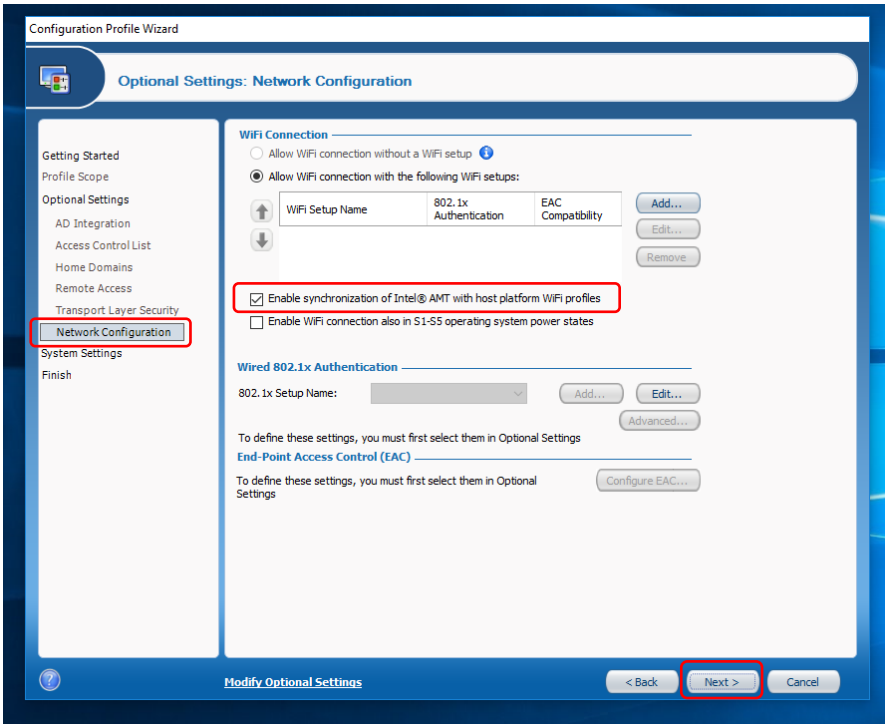

Figure 8. Configuration Profile Wizard: Optional Settings: Network Configuration

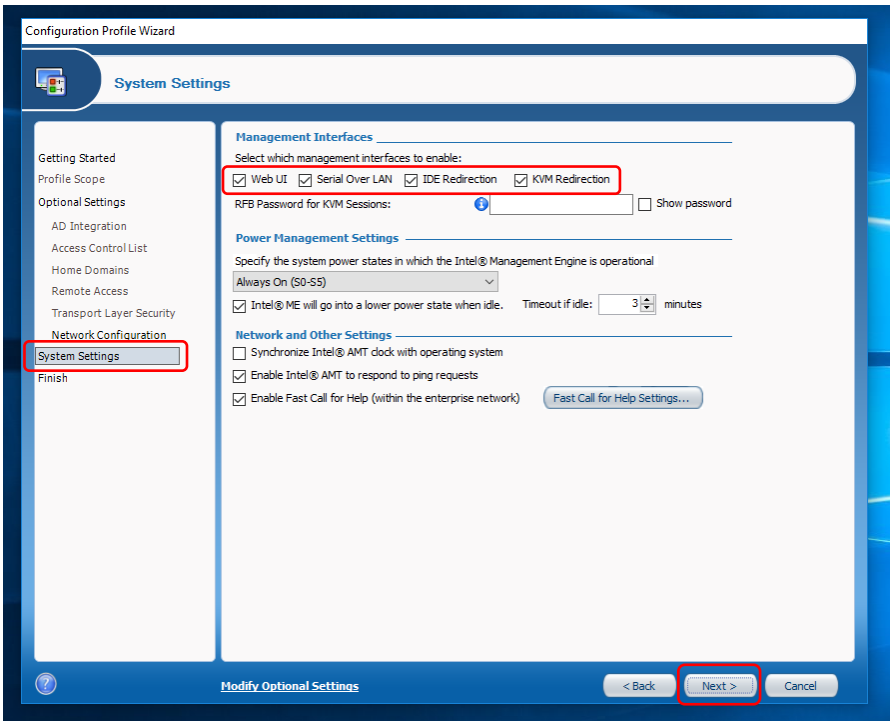

Figure 9. Configuration Profile Wizard: System Settings

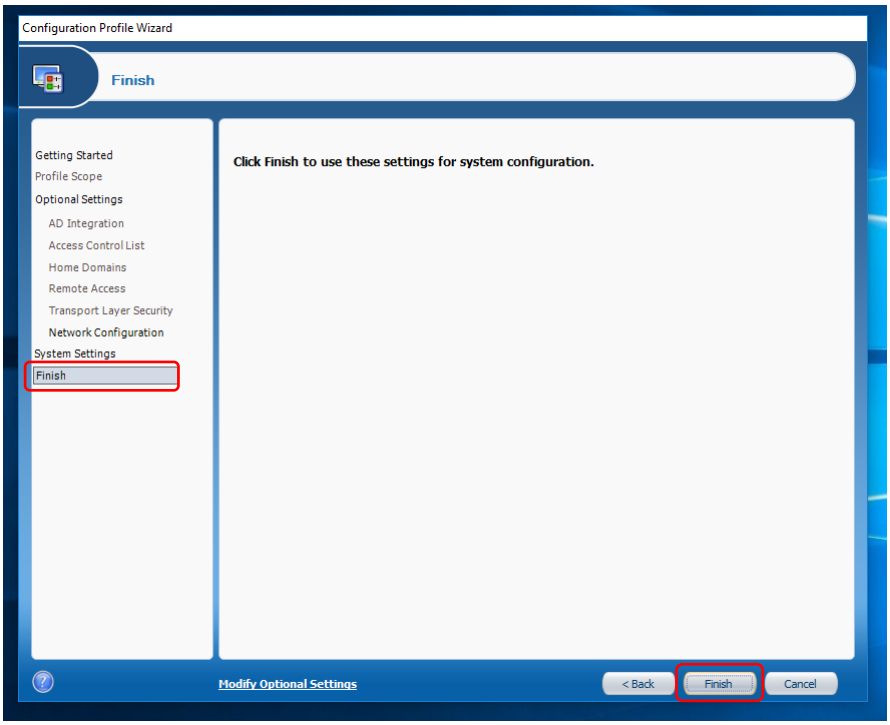

Figure 10. Configuration Profile Wizard: Finish Screen

12. Continue with Profile Encryption by entering your chosen password and pushing your Wireless configuration settings to the Intel Compute Stick (**Figure 11** - **Figure 13**).

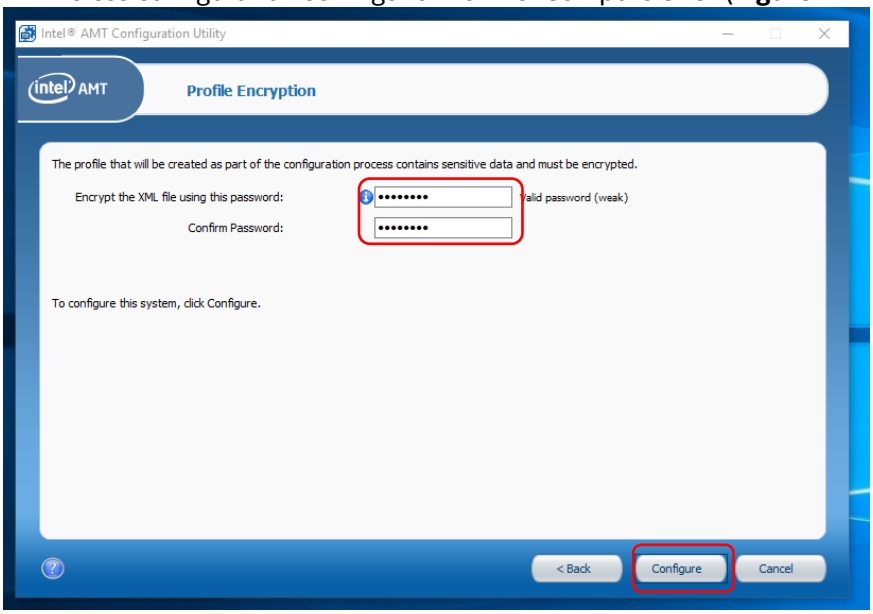

Figure 11. Intel ACU - Profile Encryption

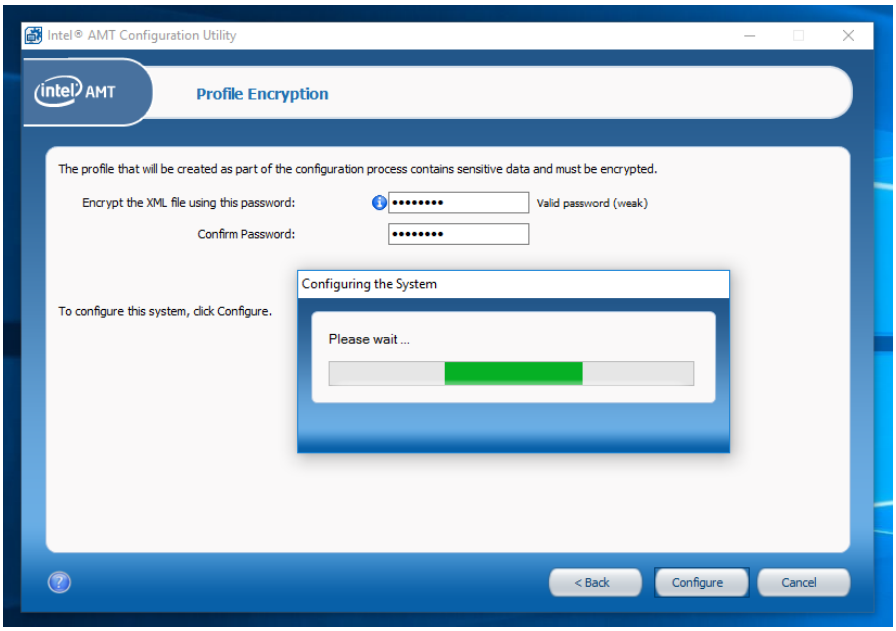

Figure 12. Intel ACU - Profile Encryption: Configuring

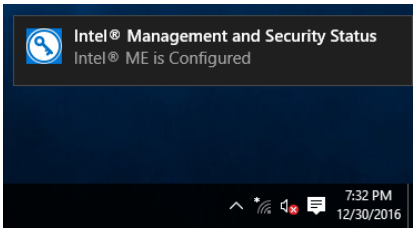

Figure 13. Intel Management and Security Status Pop-up: Configured Notice

13. Finish the Intel ACU Wizard (

14. **Figure** 14).

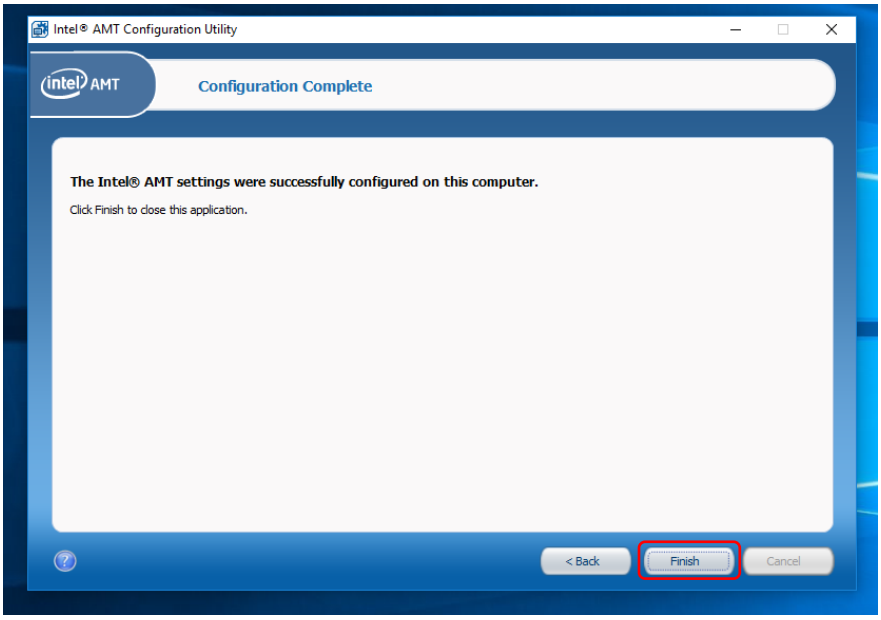

Figure 14. Intel ACU - Configuration Complete

15. Verify your system is configured via the Intel MSS (**Figure 15** - 16. **Figure** 16).

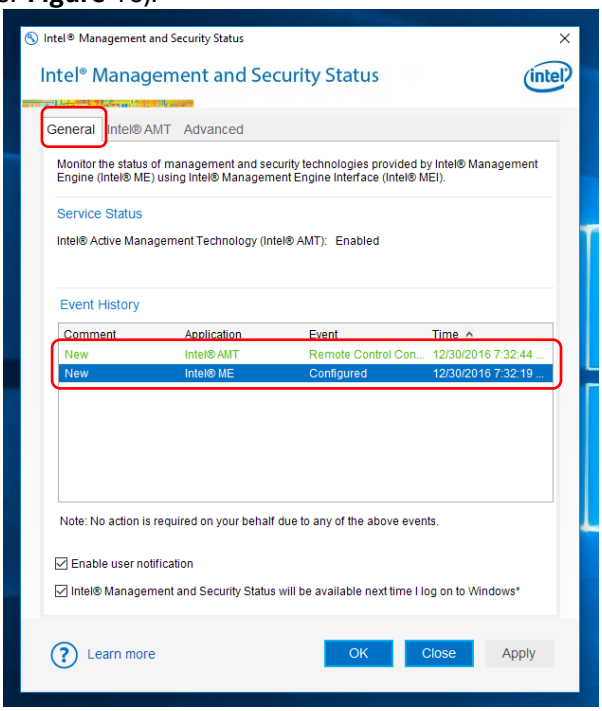

Figure 15. Intel Management and Security Status *General* Tab

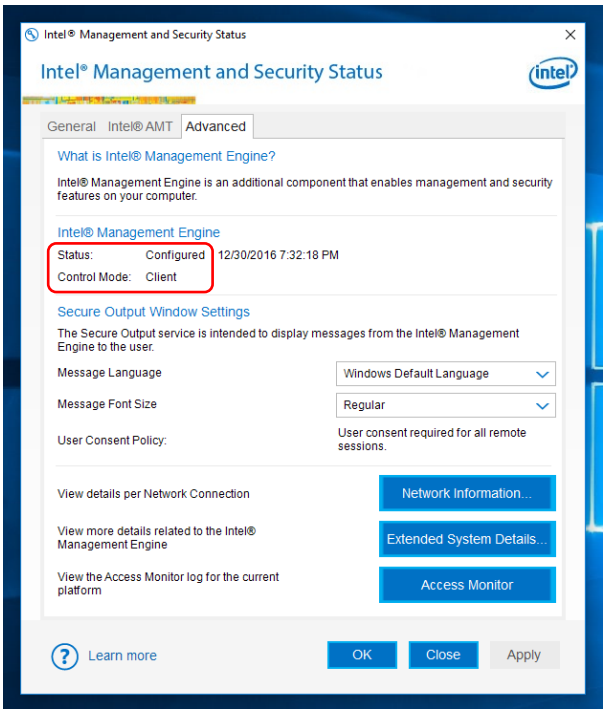

Figure 16. Intel Management and Security Status *Advanced* Tab

17. Verify your system is configured through the Web UI:
    a. Open a browser; enter URL **http://127.0.0.1:16992** (**Figure 17**).

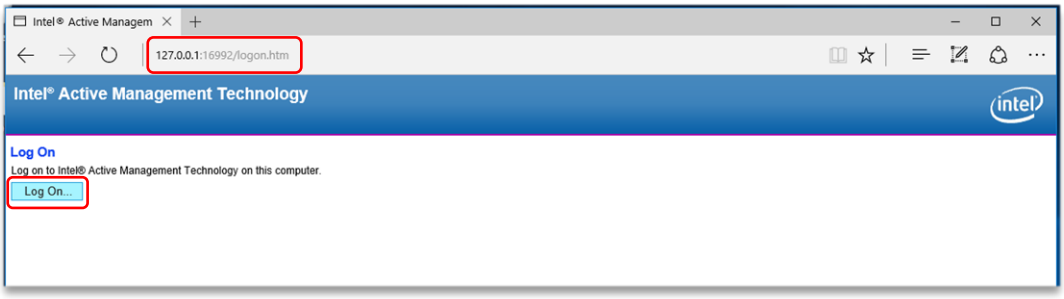

Figure 17. Intel AMT Web UI

    b. Enter Username: **admin**, Password: password from **Step 12** (**Figure 18**).

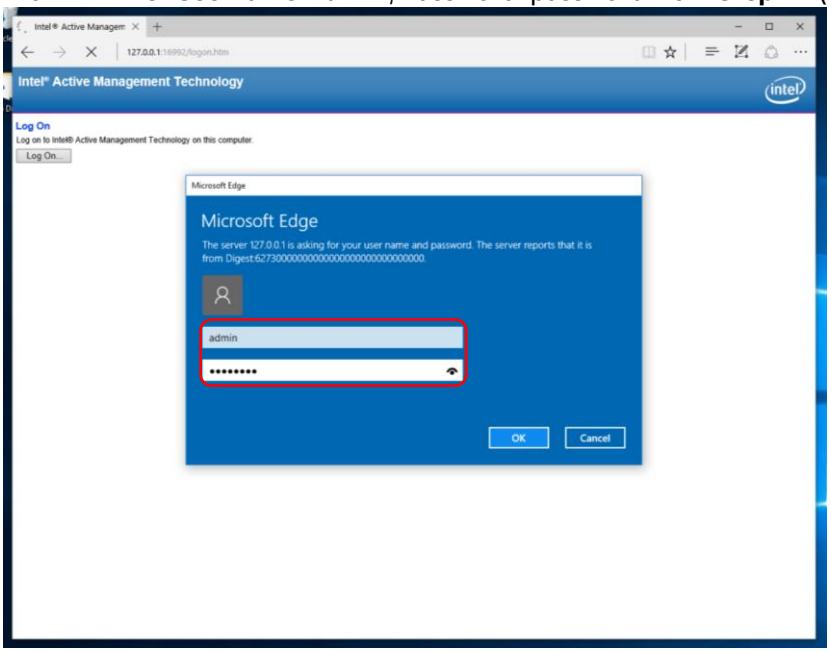

Figure 18. Intel AMT Web UI Login

    c. Verify in System Status that the system has a Wireless IP address (**Figure** 19**)**.

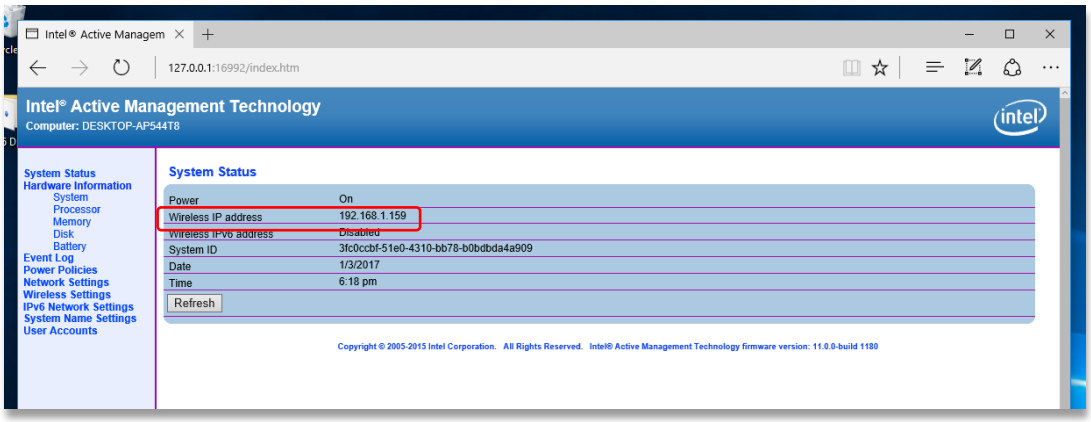

Figure 19. Intel AMT Web UI System Status

18. Verify your system has remote access through the Web UI:
    a. Open a browser on a separate computer on the same wireless subnet and browse to **http://*ippaddress*:16992** using the IP address from **Step 17.c** (**Figure 20**).

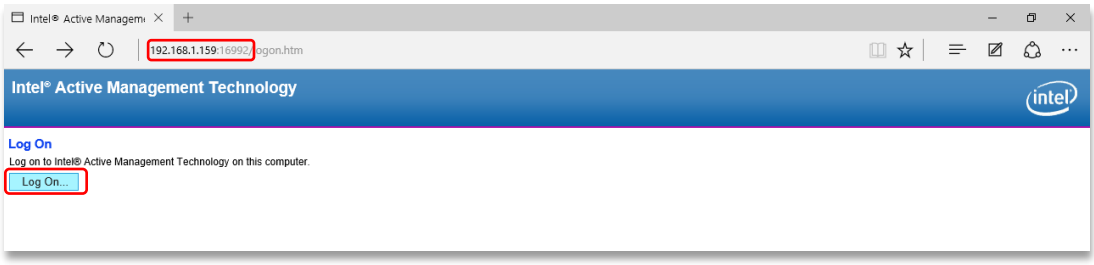

Figure 20. Intel AMT Remote Web UI

b. Enter digest credentials: Username: **admin**, Password: password from **Step 12** (c.**Figure** 21).

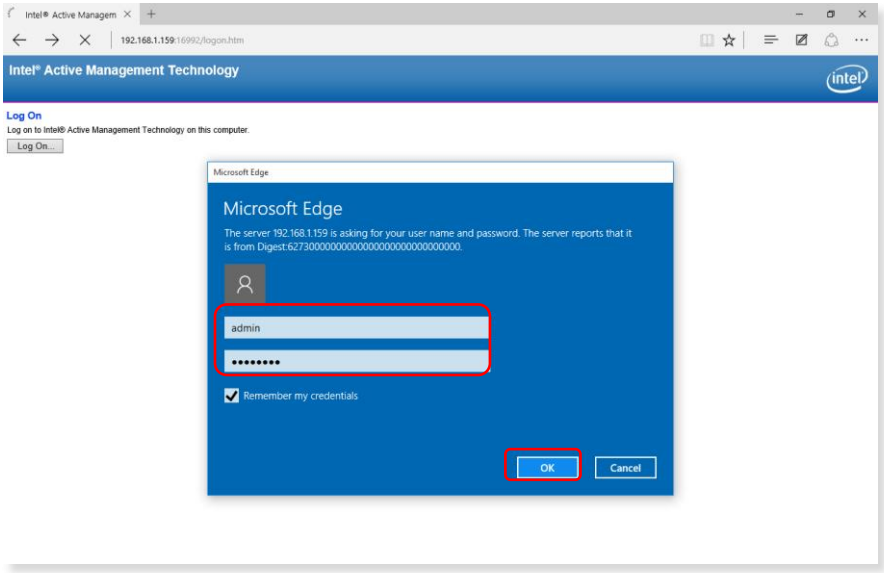

Figure 21. Intel AMT Remote Web UI Login

d. Verify in System Status that the system is connected (**Figure** 22).

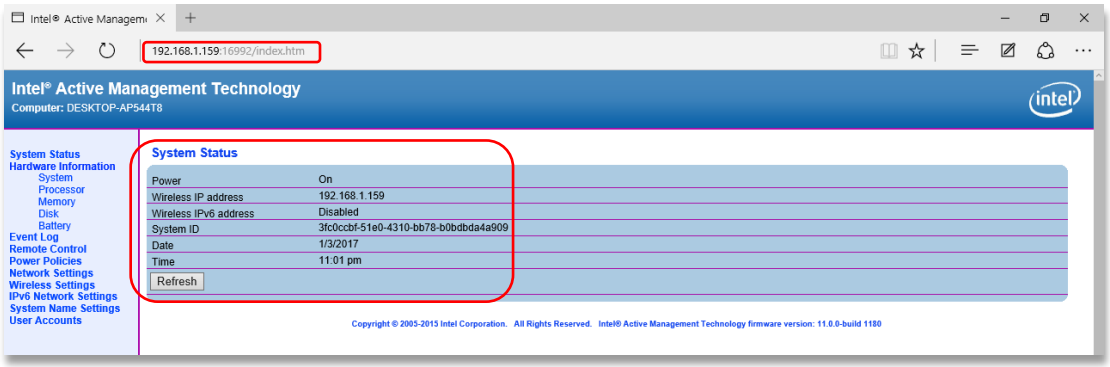

Figure 22. Intel AMT Remote Web UI System Status