



E15028 / First Edition / November 2018

# TPM-SPI (14-1 pin)

## Quick Start Guide

### Using the TPM-SPI card

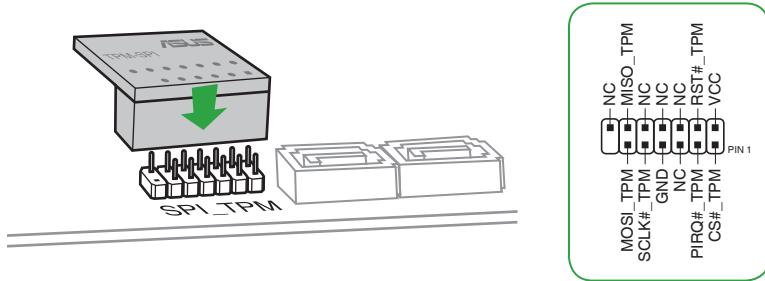
The TPM-SPI card securely store keys, digital certificates, passwords, and data. It helps enhance the network security, protects digital identities, and ensures platform integrity.

The TPM-SPI card supports 64-bit Windows® 10 UEFI OS only.

#### To use the TPM-SPI card:

1. Insert the TPM-SPI card to the SPI\_TPM connector on your motherboard.

#### Pin definition:

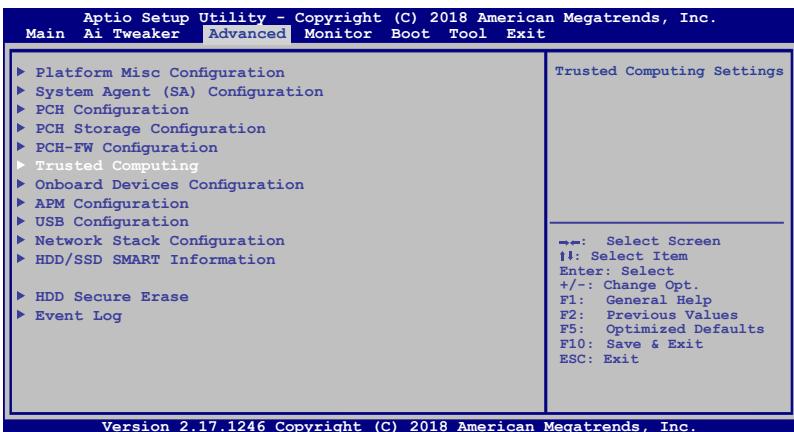


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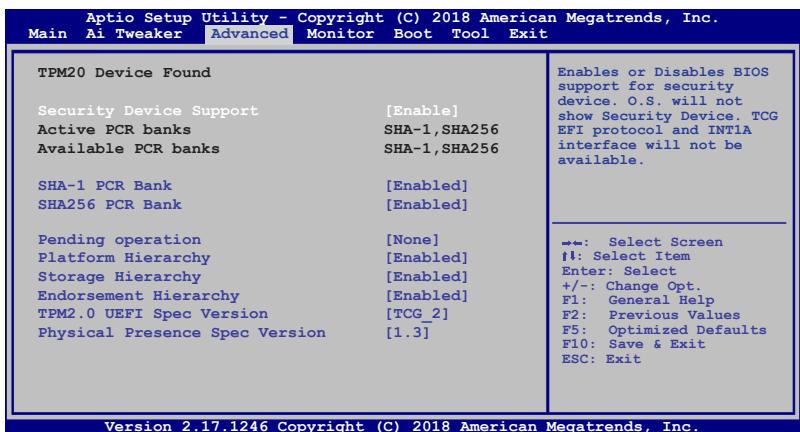
**NOTE:** The TPM module and BIOS share the same pin layout. The NC signal is used for the TPM-SPI, while the BIOS signal is used for the motherboard.

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- Press <Delete> or <F2> to enter the BIOS Setup program at the system startup.
- From the Advanced menu, click **Trusted Computing**.



- Set the **Security Device Support** and **TPM State** items to [Enabled].



- Press <F10> to save the changes, exit the BIOS Setup program and boot into the OS.

Now you can start using the TPM-SPI card with Windows® BitLocker.

# Clearing the TPM security hardware

You can clear the TPM security hardware either from the BIOS or the OS.

## Clearing from the BIOS

To clear from the BIOS:

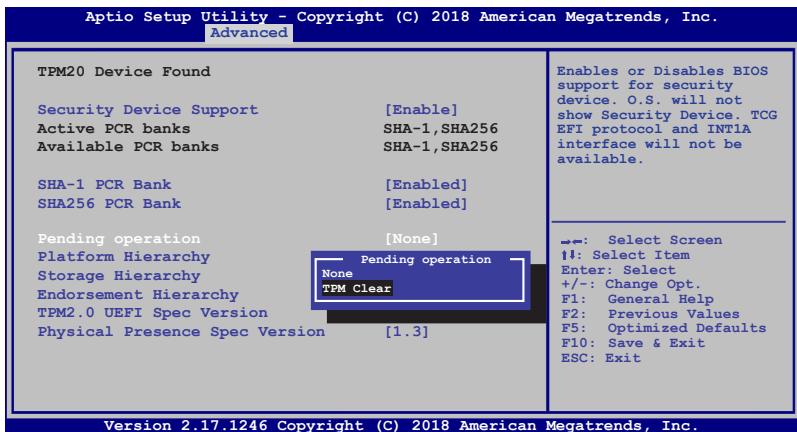
1. Launch the Trusted Computing BIOS screen.

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**NOTE:** For details, refer to steps 2-3 of the section **Using the TPM-SPI card**.

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2. Set the Pending operation item to [TPM Clear].

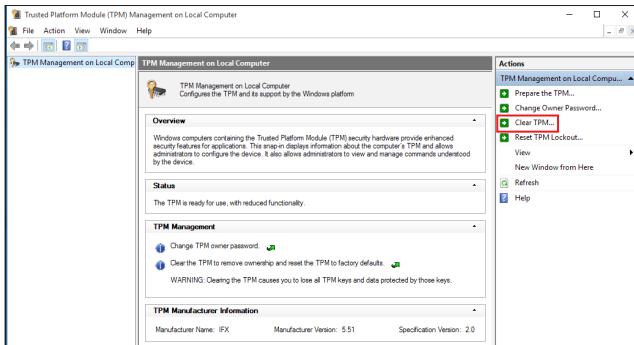


3. Press **<F10>** to save the changes and exit the BIOS Setup program.

# Clearing from the OS

## To clear from the OS:

1. In the Windows® Search box, key in **tpm.msc** and press <Enter>. The TPM Management screen appears.



2. Under **Actions**, click **Clear TPM...**
3. Click **Restart** to restart your computer.

