



Retail Platform Software Support



*TeamPoS® 36xx*

**Windows® 7 Controller Device Installation Primer**

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**Windows® 7 Controller Device  
Installation Primer**

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## 1. Overview

This document addresses the steps necessary to setup the *TeamPoS36xx* controller slice system devices using a fresh installation of Microsoft Windows© 7.

*TeamPoS36xx* utilizes the IntelQ35/ICH9D0 chipset, and Phoenix-Award BIOS v6.00PG. The specific BIOS version used in *TeamPoS36xx* the will be named in the form of "Yukon Rxx", where xx is the BIOS release level.

**Out-of-the-box Microsoft Windows© 7 does include all supporting drivers for this chipset. No additional drivers are required. Check the following link for driver updates.**

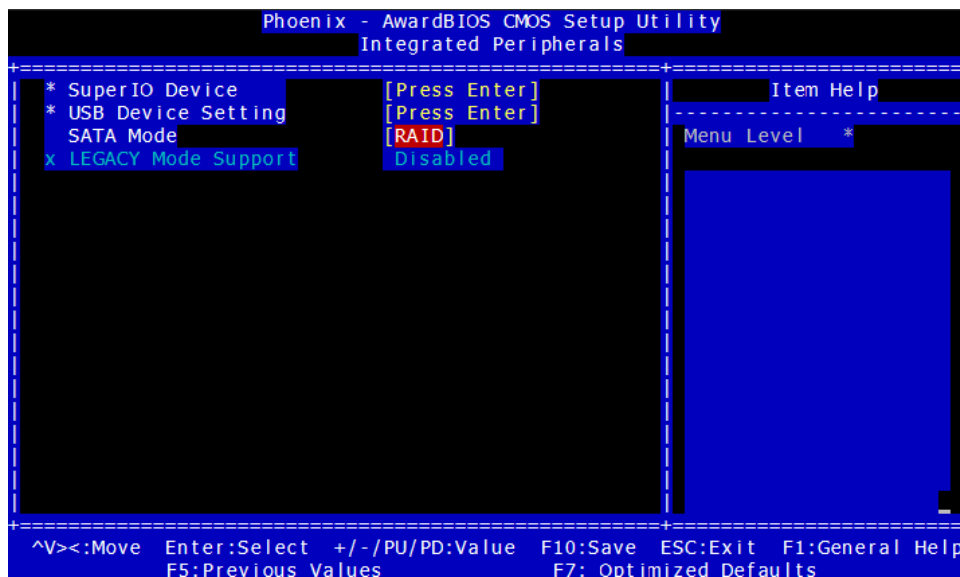
<http://www.fujitsu.com/us/services/retailing/support/>

## 2. *TeamPoS36xx* Hard Disk Subsystem

The *TeamPoS36xx* hard disk subsystem utilizes up to 2 3.5" Serial ATA (SATA) harddrives. The *TeamPoS36xx* also incorporates Intel® Matrix Storage Technology providing both Advanced Host Controller Interface (AHCI) and software RAID 0/1 capability for improved storage speed and data redundancy.

AHCI and RAID functionality are "*Enabled*" by BIOS setting. By default, *TeamPoS36xx* BIOS will have RAID "*Enabled*", facilitating, but not requiring, RAID 0 or RAID1 array configurations.

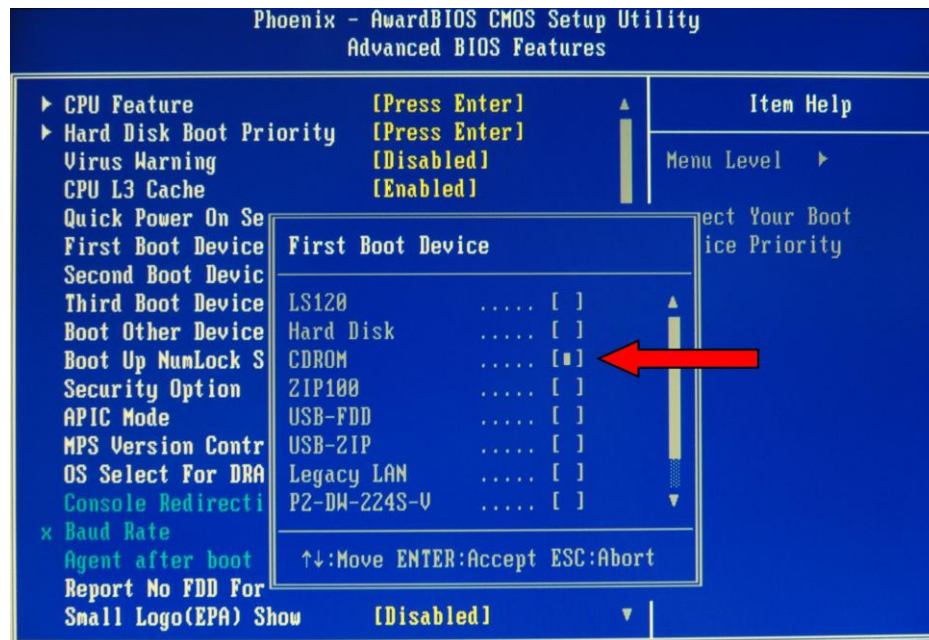
This setting is accessed in the Integrated Peripherals\SATA Mode page in BIOS setup.



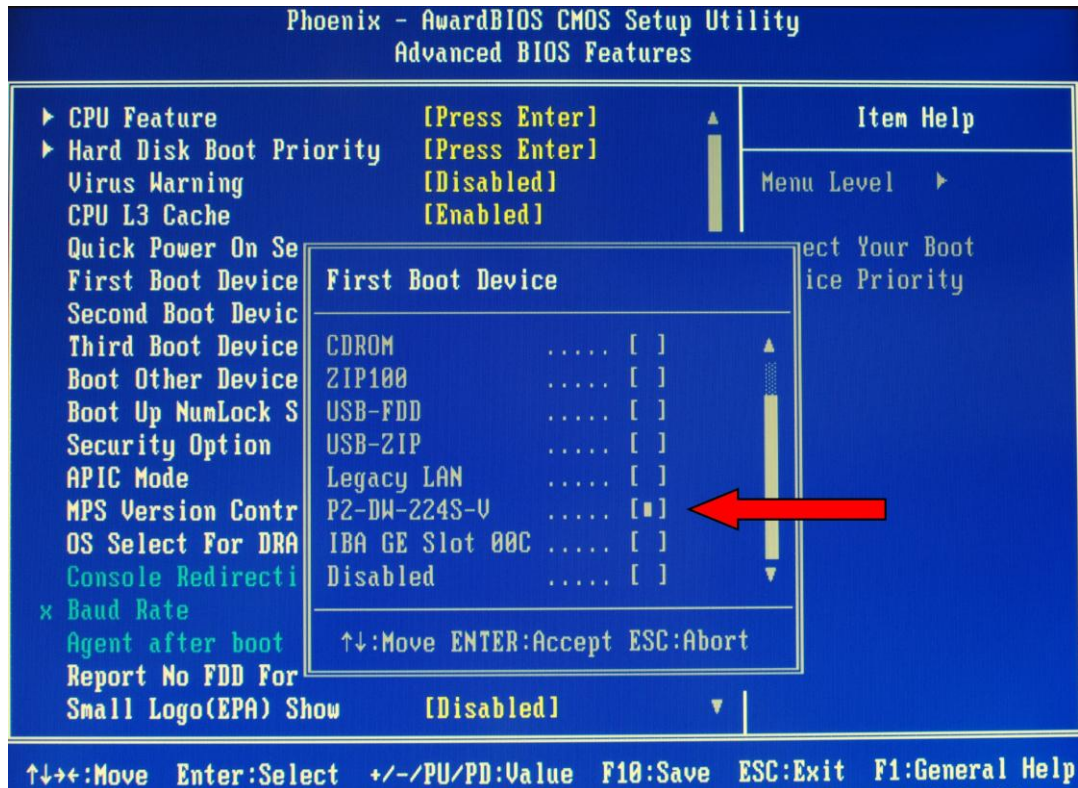
With the SATA Mode set to **RAID**, out-of-the-box Microsoft Windows© 7 does include all supporting drivers for the SATA drivers. No additional drivers are required.

### CD ROM/DVD Identification:

*TeamPoS36xx* uses a SATA CD R/W–DVD optical drive. When the SATA Mode is set to **IDE**, to select CDROM in the Boot Device Priority on the Advanced BIOS Features setup screen, the “**CDROM**” entry is used.



When SATA Mode is set to **RAID** (the BIOS Default) the CD-DVD drive is seen by BIOS as a SATA device, and it is referenced by the manufacturer identification information. The screen shot below shows the CD-DVD drive as “**P2-DW-224S-V**”. In SATA RAID Mode, select this device as desired in the boot priority settings





### 3. Initial *TeamPoS36xx* Setup

Microsoft Windows® 7 release media includes required driver support for *TeamPoS36xx* mass storage devices.

### 4. *TeamPoS36xx* Chipset

*TeamPoS36xx* utilizes the Intel® Q35 chipset with ICH9D0 I/O controller hub. Out-of-the-box Microsoft Windows® 7 does include all supporting drivers for this chipset. No additional drivers are required.

### 5. *TeamPoS36xx* Video

The *TeamPoS36xx* utilizes on-motherboard Intel® Graphics Media Accelerator 3100, supplying analog video output. Out-of-the-box Microsoft Windows® 7 does include all supporting drivers for the video chipset. No additional drivers are required.

### 6. *TeamPoS36xx* Audio

The *TeamPoS36xx* on-motherboard supplied audio is a Realtek High Definition audio device. Out-of-the-box Microsoft Windows® 7 does include all supporting drivers for this audio chipset. No additional drivers are required.

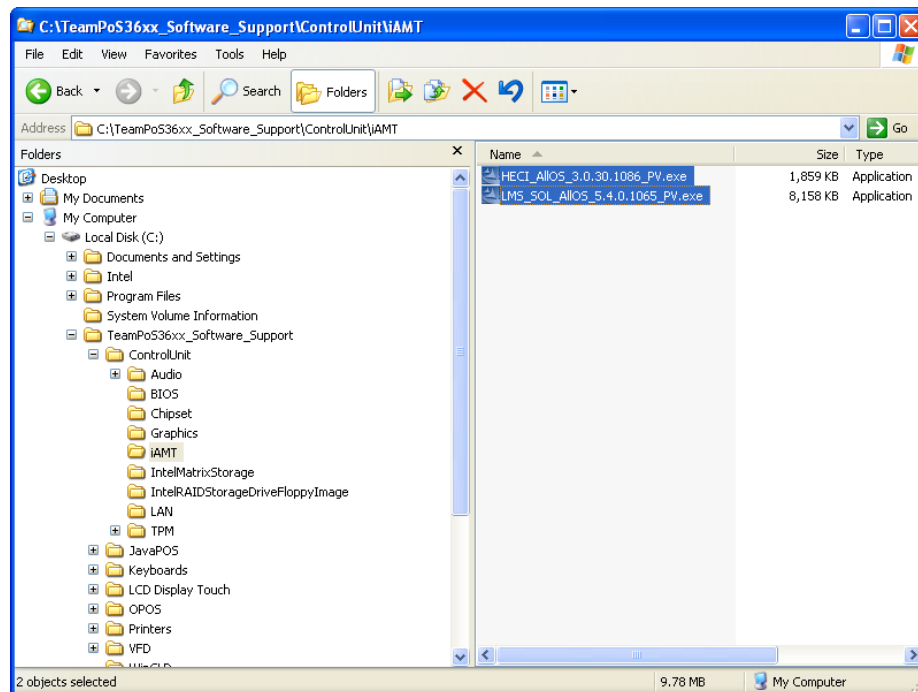
### 7. *TeamPoS36xx* Network Adapter

The *TeamPoS36xx* on-motherboard supplied network adapter is an Intel 82566DM-2 chip, and enumerates as *Intel 82566DM-2 Gigabit Network Connection*. Out-of-the-box Microsoft Windows® 7 does include all supporting drivers for the network adapter. No additional drivers are required.

## 8. TeamPoS36xx Intel® Active Management Technology

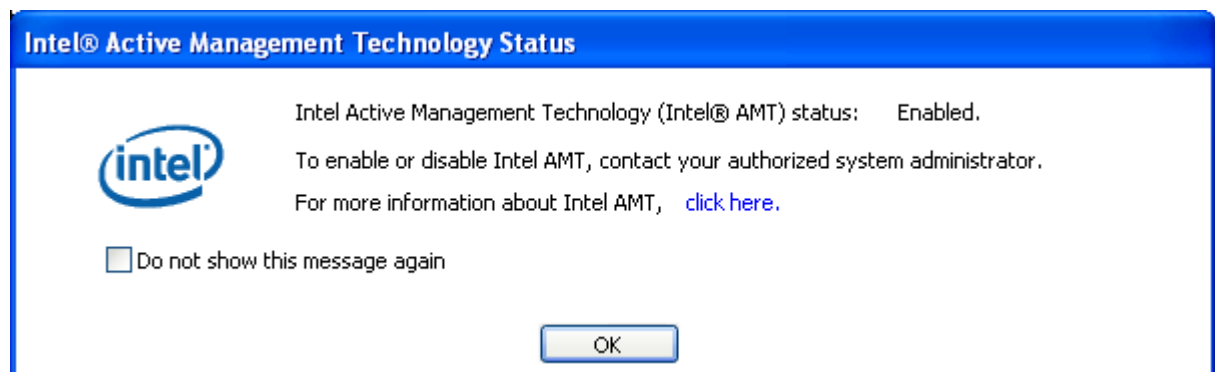
Intel® AMT is comprised of two hardware components exposed to Windows, The Intel Management Engine Interface, and Serial over LAN Interface. To install iAMT drivers, navigate to the folder containing the driver installation programs and run the setup. In this example, the install programs are found in folder:

c:\TeamPoS36xx\_Software\_Support\ControlUnit\iAMT



Run HECI\_AILOS\_3.0.30.1086\_PV.exe to install support for the iAMT Management Engine Interface, and LMS\_SOL\_AILOS\_5.4.0.1065\_PV.exe for the Serial Over LAN interface.

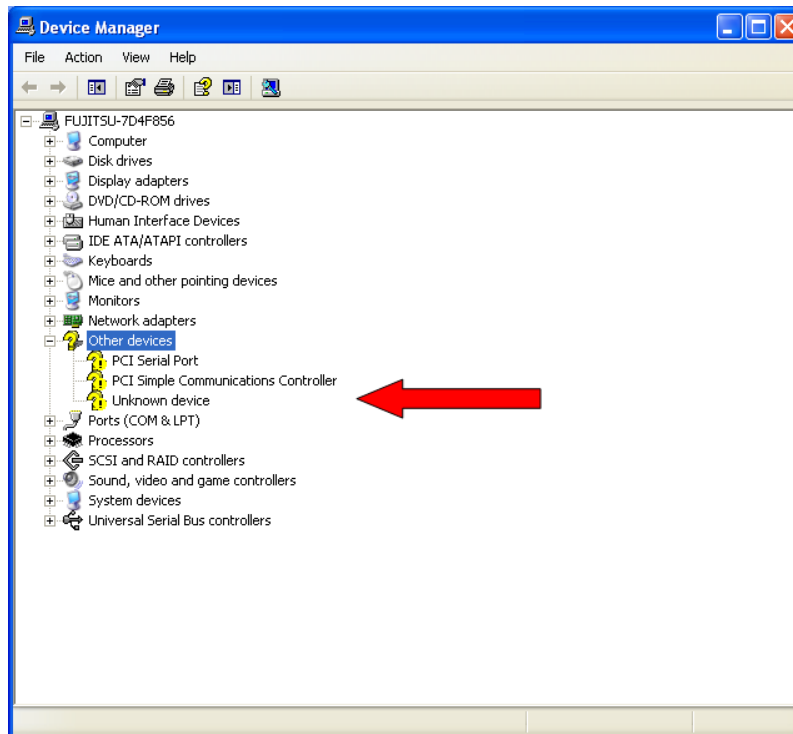
The following pop-up is displayed after installing these components:



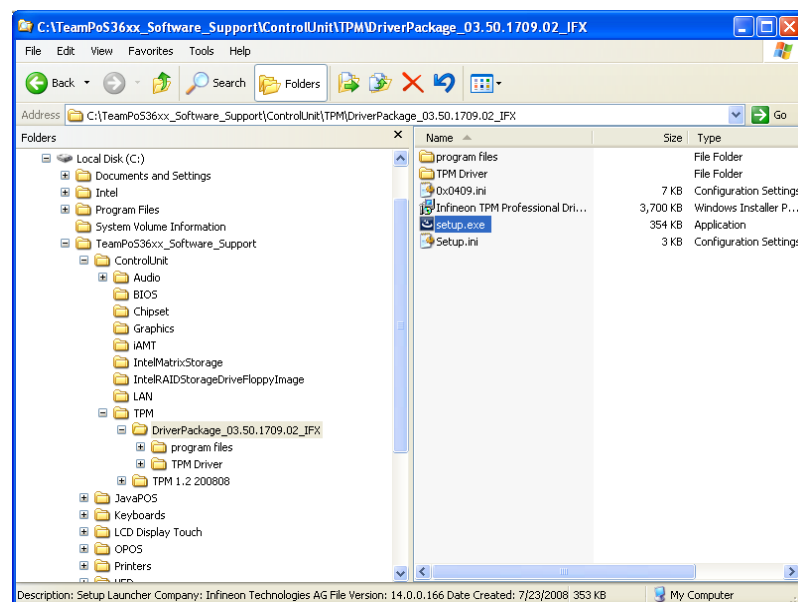


## 9. TeamPoS36xx Trusted Platform Module

The *TeamPoS36xx* incorporates the Infineon Trusted Platform Module (TPM). Device Manager shows the device as "Unknown Device" in the Other Devices category.

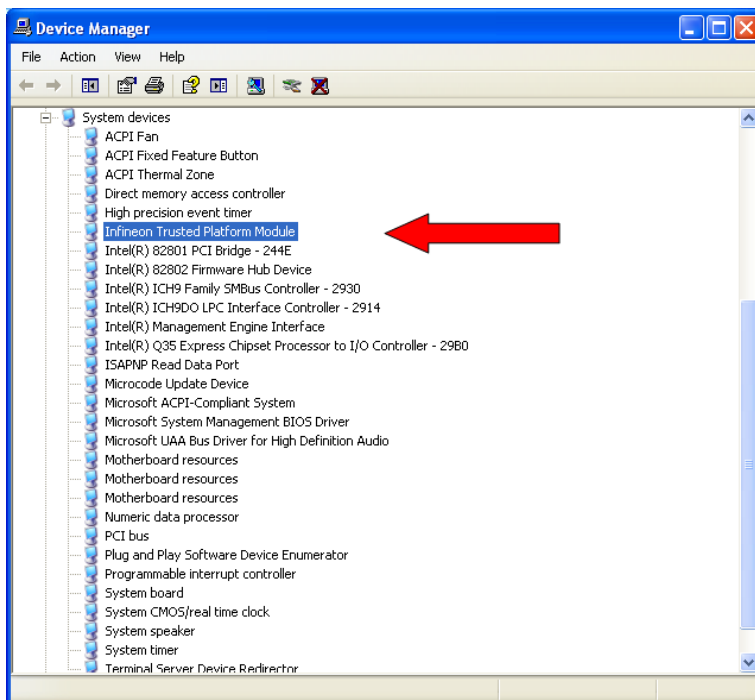


To install TPM driver support, navigate to the folder containing the TPM driver support and launch the setup. In this example, the install program is located in:



c:\TeamPoS36xx\_Software\_Support\ControlUnit\TPM\TPM 1.2  
200808\DriverPackage\_03.50.1709.02\_IFX\setup.exe

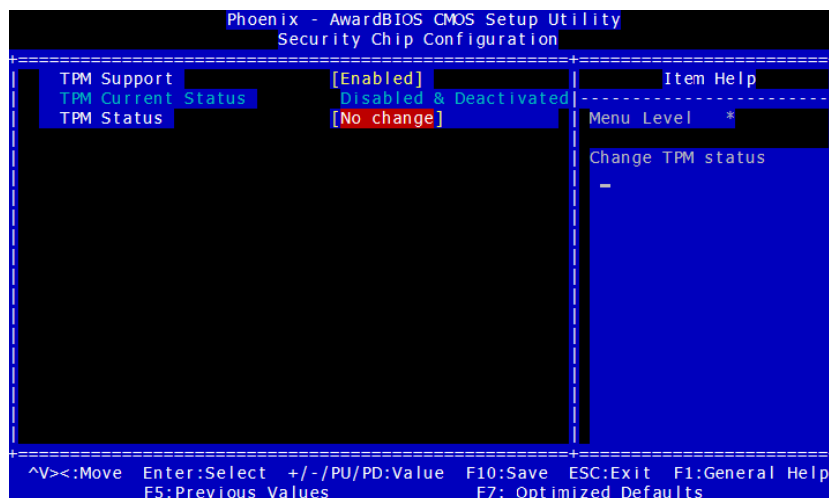
Once the driver is installed,  
the device is displayed in  
Device Manager\System  
Devices branch:





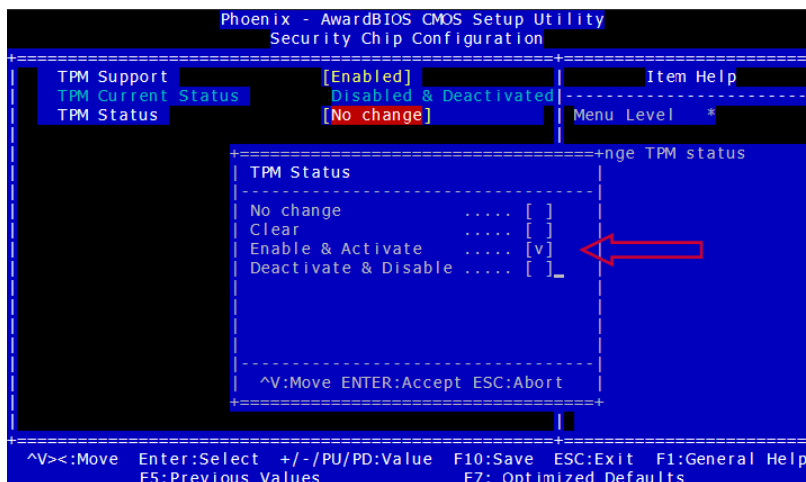
Actual use of the Trusted Platform Module entails activating the module in BIOS and installing the Infineon TPM Security Platform Tool.

In BIOS setup, navigate to the *Security Chip Configuration* screen. If BIOS defaults are set, TPM Support is “*Enabled*”, and TPM Status is “*No Change*”.



To activate TPM, change the TPM Status to “***Enable & Activate***”, exit and save BIOS changes.

Upon first reboot, a confirmation screen will be displayed. Confirm the TPM Status change and start Windows.



To install the Infineon TPM Security Platform Tool, in Windows, run setup.exe from:

C:\TeamPoS36xx\_Software\_Support\ControlUnit\TPM\TPM 1.2  
200808\Utility\TPM\_HostSW\_3.5\_RC3\_IFX

Documentation can be found in the following pdf file:

C:\TeamPoS36xx\_Software\_Support\ControlUnit\TPM\TPM 1.2 200808\Utility\SPI v1 0\_TPM  
Professional Package v 3 0.pdf



Following installation, the Infineon TPM Manage Security Platform program is available from the Start Menu.



On-line help is also installed. Follow the instructions available in the on-line help and supplied PDF to properly setup and use the Trusted Platform Module.