

## Driver Installation Order & Summary Guide

This driver Installation Summary Guide provides detailed information for the following Viglen products. This guide provides information on Hardware ID and associated device driver required to successfully configure Microsoft® operating systems. Two sets of drivers are available:

**Full Driver Sets** – Contains full driver set for Automatic installation.

**INF Drivers** – Contains drivers in extracted INF format for manual driver installation via Device Manager, or use with Microsoft® Deployment toolkit (MDT), Microsoft® System Centre Configuration Manager (SCCM).

Driver DVD: <b>WDXDCD66</b>	
Revision: <b>1.6</b>	Viglen Part code: <b>PMPMS640, PMPMS642, PMPMS643, PMPMS644, PMPMS645, PMPMS655</b>
Release Date: <b>Oct 2012</b>	Motherboard: <b>Vig640M, Vig642M, VIG643, VIG644, Vig645M, Vig655M</b>

### Intel Storage Manager Driver:

Bios SATA Controller Mode	Controller
AHCI	Intel(R) 6 Series C200 Series Chipset Family 6 Port SATA AHCI Controller Intel(R) Desktop Workstation Server Express Chipset SATA AHCI Controller (XP)

### Unknown / Other Devices in Device Manager:

Hardware Devices Listed in device Manager	Hardware ID	Associated Driver	INF Drivers
SM BUS Controller	VEN_8086&DEV_1C22	Chipset	Chipset Utility Driver -9.3.0.1021
Standard AHCI 1.0 serial ATA Controller	VEN_8086&DEV_1C02	Chipset	Chipset Utility Driver -9.3.0.1021
Standard Enhanced PCI to USB host controller	VEN_8086&DEV_1C26	Chipset	Chipset Utility Driver -9.3.0.1021
Video Controller (VGA compatible)	VEN_8086&DEV_0102	VGA Driver	Intel(R) HD Graphics
Ethernet Controller	VEN_10EC&DEV_8168	LAN driver	Realtek PCIe GBE Family Controller
PCI Simple Communication Controller	VEN_8086&DEV_1C3A	Intel Management Engine	Intel(R) Management Engine Interface
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_10EC&DEV_0887	Sound Driver	
<b>Only on Vig640M and Vig645M</b> Audio Device on High Definition Audio Bus	VEN_8086&DEV_2805	VGA Driver	Intel(R) Display Audio
<b>configured with Optional TPM Module</b> Unknown Device	ACPI\PNP0C31 *PNP0C31	TPM	<b>For Systems configured with Optional TPM Module</b> Unknown Device (PNP0C31)_TPM_,5.0.1.1085
Standard Enhanced PCI to USB host controller	VEN_8086&DEV_1C2	Chipset	Chipset Utility Driver -9.3.0.1021
<b>Only appears on Vig644M</b> Unknown	ACPI\INT33A0	Chipset	Intel(R) Smart Connect Technology Device



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**Important:** When downloading drivers from Viglen FTP site, unzip them to a folder and make a note of the download path so that you can find them later.

**Note:** Not all driver updates require a restart. Even if you're not prompted, we always recommend restarting anyway. The driver update process involves changes to the Windows registry and other important areas of your computer and restarting is a good way to confirm that updating drivers hasn't negatively impacted some other area of Windows.

Windows 7 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 7 32 Bit	Windows 7 64 Bit		
Installation order					
1	Chipset:	INF_allIOS_9.3.0.1021.exe	INF_allIOS_9.3.0.1021.exe	setup -s	
2	Video: Intel® HD Graphics *	GFX_Vista_Win7_Win8_32Bit_9.17.10.2817	GFX_Vista_Win7_Win8_32Bit_9.17.10.2817	setup -s	
3	Audio: Realtek* ALC Audio	Audio_Realtek_allIOS_6.0.1.6657	Audio_Realtek_allIOS_6.0.1.6657	setup -s	
4	LAN: Realtek	LAN_Realtek_Win7_32_64Bit_7.053.0216.2012	LAN_Realtek_Win7_32_64Bit_7.053.0216.2012	setup -s	
5	Intel(R) Management Engine	ME_allIOS_8.1.0.1248	ME_allIOS_8.1.0.1248	setup -s	
6	Intel Smart Connect	Intel_Smart_Connect_Win7_Win8_3.0.30.1526	Intel_Smart_Connect_Win7_Win8_3.0.30.1526	Setup-s	
7	Intel Rapid Storage Technology	STOR_Win7_8_11.6.0.1030_PV AHCI_f6flpy-x86_11.6.0.1030	STOR_Win7_8_11.6.0.1030_PV AHCI_f6flpy-x64_11.6.0.1030	setup -s	

Windows 8 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 7 32 Bit	Windows 7 64 Bit		
Installation order					
1	Chipset:	INF_allIOS_9.3.0.1021.exe	INF_allIOS_9.3.0.1021.exe	setup -s	
2	Video: Intel® HD Graphics *	GFX_Vista_Win7_Win8_32Bit_9.17.10.2817	GFX_Vista_Win7_Win8_32Bit_9.17.10.2817	setup -s	
3	Audio: Realtek* ALC Audio	Audio_Realtek_allIOS_6.0.1.6657	Audio_Realtek_allIOS_6.0.1.6657	setup -s	
4	LAN: Realtek	LAN_Realtek_Win8_32_64Bit_8.3.730.2012	LAN_Realtek_Win8_32_64Bit_8.3.730.2012		
5	Intel(R) Management Engine	ME_allIOS_8.1.0.1248	ME_allIOS_8.1.0.1248	setup -s	
6	Intel Smart Connect	Intel_Smart_Connect_Win7_Win8_3.0.30.1526	Intel_Smart_Connect_Win7_Win8_3.0.30.1526	Setup-s	
7	Intel Rapid Storage Technology	STOR_Win7_8_11.6.0.1030_PV AHCI_f6flpy-x86_11.6.0.1030	STOR_Win7_8_11.6.0.1030_PV AHCI_f6flpy-x64_11.6.0.1030	setup -s	

Note: PMPMS644 (Vig644M) is Windows 8 certified motherboard.



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Windows Vista (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 7 32 Bit	Windows 7 64 Bit		
Installation order					
1	Chipset:	INF_allIOS_9.3.0.1021.exe	INF_allIOS_9.3.0.1021.exe	setup -s	
2	Video: Intel® HD Graphics *	GFX_Vista_Win7_Win8_32Bit_9.17.10.2817	GFX_Vista_Win7_Win8_32Bit_9.17.10.2817	setup -s	
3	Audio: Realtek* ALC Audio	Audio_Realtek_allIOS_6.0.1.6657	Audio_Realtek_allIOS_6.0.1.6657	setup -s	
4	LAN: Realtek	LAN_Realtek_Vista_32_64Bit_6.250.0908.2011	LAN_Realtek_Vista_32_64Bit_6.250.0908.2011		
5	Intel(R) Management Engine	ME_allIOS_8.1.0.1248	ME_allIOS_8.1.0.1248	setup -s	
7	Intel Rapid Storage Technology	STOR_Win7_8_11.6.0.1030_PV AHCI_f6flpy-x86_11.6.0.1030	STOR_Win7_8_11.6.0.1030_PV AHCI_f6flpy-x64_11.6.0.1030	setup -s	

### Windows XP (32 & 64Bit)

Windows XP (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows XP 32 Bit	Windows XP 64Bit		
Installation order					
1	Chipset:	INF_allIOS_9.3.0.1021.exe	INF_allIOS_9.3.0.1021.exe	setup -s	
2	Video: Intel® HD Graphics*	GFX_XP_32Bit_6.14.10.5400	GFX_XP_64Bit_6.14.10.5400	setup -s	
3	Audio: Realtek* ALC Audio	Audio_Realtek_allIOS_6.0.1.6657	Audio_Realtek_allIOS_6.0.1.6657	setup -s	
4	LAN: Realtek	LAN_Realtek_XP_32_64Bit_5.794.0222.2012	LAN_Realtek_XP_32_64Bit_5.794.0222.2012	setup -s	
5	Intel(R) Management Engine	ME_allIOS_8.1.0.1248	ME_allIOS_8.1.0.1248	setup -s	
6	Intel Rapid Storage Technology	IRS_allIOS_10.5.0.1027.exe AHCI_f6flpy-x86_10.5.0.1007	IRS_allIOS_10.5.0.1027.exe AHCI_f6flpy-x86_10.5.0.1007	setup -s	
7	TPM: Trusted Platform	Intel_TPM_allXP_5.0.1.1085	Intel_TPM_allXP_5.0.1.1085	setup -s	

Note: TPM driver is only required when optional TPM module is installed in the system.

\*Before installing VGA drivers, Microsoft .Net 3.5 or higher version must be installed. Microsoft .Net can be downloaded from following URL: <http://www.microsoft.com/net/>.  
Microsoft.net 3.5 and 4.0 is also available on the Driver DVD under "Others" Folder

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### Other Driver/Software

The following table lists WinPE, NDIS2 Lan drivers and Microsoft update/patch list.

Driver/Utility		
Folder Name	Win PE LAN driver	NDIS2_DOS
Win PE_NDIS2_LAN Driver	XP_32Bit	NDIS2 version 1.41
	Win8_32Bit	
	Win8_64bit	
	Win7_32Bit	
	Win7_64Bit	
	Vista 32Bit	
	Vista 64Bit	
Others	Microsoft .Net 3.5SP1	
	WindowsInstaller-KB893803-v2-x86.exe	
	XP Patch: USB Keyboard S3 USB20	

Drivers and latest BIOS are also available from Viglen FTP site:

Vig640M: <http://download.viglen.co.uk/files/Motherboards/Vig640M/>

Vig642M: <http://download.viglen.co.uk/files/Motherboards/Vig642M/>

Vig645M: <http://download.viglen.co.uk/files/Motherboards/Vig645M/>

Vig655M: <http://download.viglen.co.uk/files/Motherboards/Vig655M/>

For BIOS, Drivers and Documentation enquiries please contact Viglen Technical Support Department on [technical@viglen.co.uk](mailto:technical@viglen.co.uk). Remember to include your PC serial number in all correspondence.