

## 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>1.8</b>	Viglen Part code: <b>PMPMS640, PMPMS642, PMPMS643, PMPMS644, PMPMS645, PMPMS646, PMPMS647, PMPMS655</b>
Release Date: <b>August 2014</b>	Motherboard: <b>Vig640M, Vig642M, VIG643, VIG644, Vig645M, Vig646M, Vig646 v2, 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
Standard AHCI 1.0 serial ATA Controller	VEN_8086&DEV_1C02	Chipset	Chipset Utility Driver
Standard Enhanced PCI to USB host controller	VEN_8086&DEV_1C26	Chipset	Chipset Utility Driver
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	
Only on Vig640M and Vig645M	VEN_8086&DEV_2805	VGA Driver	Intel(R) Display Audio
Audio Device on High Definition Audio Bus configured with Optional TPM Module	ACPI\PNP0C31	TPM	For Systems configured with Optional TPM Module
Unknown Device	*PNP0C31		Unknown Device (PNP0C31)_TPM_,5.0.1.1085
Standard Enhanced PCI to USB host controller	VEN_8086&DEV_1C2	Chipset	Chipset Utility Driver
Only appears on Vig644M	ACPI\INT33A0	Chipset	Intel(R) Smart Connect Technology Device
Unknown			

**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.



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**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.

<b>Windows 7 (32 &amp; 64Bit)</b>		<b>Driver/Utility</b>			
<b>Installation order</b>		<b>Executable File</b>		<b>Silent Switch</b>	<b>Comments</b>
		<b>Windows 7 32 Bit</b>	<b>Windows 7 64 Bit</b>		
1	Chipset:	INF_allIOS_9.4.0.1027	INF_allIOS_9.4.0.1027	setup -s	
2	Video: Intel® HD Graphics *	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_32_10.18.10.3496	setup -s	
3	Audio: Realtek* ALC Audio	AUD_Win8.1_Win8_Win7_6.0.1.7240	AUD_Win8.1_Win8_Win7_6.0.1.7240	setup -s	
4	LAN: Realtek	Realtek_LAN_V7854252014_Win7_V8314232014_Win8	Realtek_LAN_V7854252014_Win7_V8314232014_Win8	setup -s	
5	Intel(R) Management Engine	MEI_Win7-8-8-1_9.5.15.17.30	MEI_Win7-8-8-1_9.5.15.17.30	setup -s	
6	Intel Smart Connect	Smart_Connect_Win7_8_8.1_5.0.10.2832	Smart_Connect_Win7_8_8.1_5.0.10.2832	Setup-s	
7	Intel Rapid Storage Technology	SetupRST_12.8.0.1016 AHCI_f6flpy-x86_12.8.0.1016	SetupRST_12.8.0.1016 AHCI_f6flpy-x64_12.8.0.1016	setup -s	

<b>Windows 8/8.1 (32 &amp; 64Bit)</b>		<b>Driver/Utility</b>			
<b>Installation order</b>		<b>Executable File</b>		<b>Silent Switch</b>	<b>Comments</b>
		<b>Windows 8 32 Bit</b>	<b>Windows 8 64 Bit</b>		
1	Chipset:	INF_allIOS_9.4.0.1027	INF_allIOS_9.4.0.1027	setup -s	
2	Video: Intel® HD Graphics *	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_32_10.18.10.3496	setup -s	
3	Audio: Realtek* ALC Audio	AUD_Win8.1_Win8_Win7_6.0.1.7240	AUD_Win8.1_Win8_Win7_6.0.1.7240	setup -s	
4	LAN: Realtek	Realtek_LAN_V7854252014_Win7_V8314232014_Win8	Realtek_LAN_V7854252014_Win7_V8314232014_Win8		
5	Intel(R) Management Engine	MEI_Win7-8-8-1_9.5.15.17.30	MEI_Win7-8-8-1_9.5.15.17.30	setup -s	
6	Intel Smart Connect	Smart_Connect_Win7_8_8.1_5.0.10.2832	Smart_Connect_Win7_8_8.1_5.0.10.2832	Setup-s	
7	Intel Rapid Storage Technology	SetupRST_12.8.0.1016 AHCI_f6flpy-x86_12.8.0.1016	SetupRST_12.8.0.1016 AHCI_f6flpy-x64_12.8.0.1016	setup -s	

Note: PMPMS644 (Vig644M), PMPMS646 & PMPMS647 are Windows 8/8.1 certified motherboard

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/>

Vig646M: [http://download.viglen.co.uk/files/Motherboards/Vig646M\\_Vig647M](http://download.viglen.co.uk/files/Motherboards/Vig646M_Vig647M)

Vig646M V2: [http://download.viglen.co.uk/files/Motherboards/Vig646M\\_Vig647M](http://download.viglen.co.uk/files/Motherboards/Vig646M_Vig647M)

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.