

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 Driver Package – 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) by importing the device drivers.

Driver DVD: WDXDCD82	Motherboard: VIG740M
Revision: 1.0 Release Date: April 2016	Viglen Part code: PMPMS740

Intel(R) Rapid Storage Technology Enterprise Driver:

BIOS SATA Controller Mode	Controller
AHCI	Intel(R) 100 Series/C230 Chipset Family SATA AHCI Controller

Unknown / Other Devices in Device Manager (Vig740M):

Hardware Devices Listed in Device Manager	Hardware ID	Associated Driver	INF Drivers
IDE ATA/ATPI Controllers			
Standard AHCI 1.0 Serial ATA Controller	VEN_8086&DEV_A102&SUBSYS_79961462&REV_31	AHCI	Intel(R) 100 Series/C230 Chipset Family SATA AHCI Controller
Other devices			
High Definition Audio Device	HDAUDIOFUNC_01&VEN_8086&DEV_2809&SUBSYS_80860101&REV_1000	Display	Intel(R) Display Audio
High Definition Audio Device	HDAUDIOFUNC_01&VEN_10EC&DEV_0887&SUBSYS_1462F996&REV_1003	Audio	Realtek High Definition Audio
Ethernet Controller	VEN_8086&DEV_15B&SUBSYS_79941462&REV_31	LAN	Intel(R) Ethernet Connection (2) I219-V
PCI Simple Communications Controller	VEN_8086&DEV_A13A&SUBSYS_79961462&REV_31	ME	Intel(R) Management Engine Interface
Base System Device	VEN_8086&DEV_1911&SUBSYS_79961462&REV_00	Chipset	Intel(R) Xeon(R) E3 - 1200/1500 v5/6th Gen Intel(R) Core(TM) Gaussian Mixture Model - 1911
PCI Data Acquisition and Signal Processing Controller	VEN_8086&DEV_A131&SUBSYS_79961462&REV_31	Chipset	Intel(R) 100 Series/C230 Series Chipset Thermal subsystem - A131
PCI Data Acquisition and Signal Processing Controller	VEN_8086&DEV_A160&SUBSYS_79961462&REV_31\3&11583659&0&A8	Chipset	Intel(R) 100 Series/C230 Series Chipset Family Serial IO I2C Host Controller - A160

PCI Data Acquisition and Signal Processing Controller	VEN_8086&DEV_A161&SUBSYS_79961462&REV_31\3&11583659&0&A9	Chipset	Intel(R) 100 Series/C230 Series Chipset Family Serial IO I2C Host Controller - A161
PCI Data Acquisition and Signal Processing Controller	VEN_8086&DEV_A127&SUBSYS_79961462&REV_31\3&11583659&0&F0	Chipset	Intel(R) 100 Series/C230 Series Chipset Family Serial IO UART Host Controller - A127
PCI Memory Controller	VEN_8086&DEV_A121&SUBSYS_79961462&REV_31	Chipset	Intel(R) 100 Series/C230 Series Chipset PMC - A121
SM BUS Controller	VEN_8086&DEV_A123&SUBSYS_79961462&REV_31	Chipset	Intel(R) 100 Series/C230 Series Chipset SMBus - A123
Universal Serial BUS (USB) Controller	VEN_8086&DEV_A12F&SUBSYS_79961462&REV_31	USB3.0	Intel(R) USB 3.0 eXtensible Host Controller
Unknown Device	I\USB3\ROOT_HUB30&VID_8086&PID_A12F&REV_0031&SID_79961462	USB3.0	Intel(R) USB 3.0 Root Hub
Unknown Devices	ACPI\MSFT0101	TPM	Trusted Platform Module 2.0
Standard VGA Graphics Adapter	VEN_8086&DEV_1912&SUBSYS_79961462&REV_06	VGA	Intel(R) HD Graphics 510

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.

Windows 7 (32 & 64Bit)		Driver/Utility			
Installation order		Executable File		Silent Switch	Comments
		Windows 7 32 Bit	Windows 7 64 Bit		
1	Chipset	Intel_Chipset_Win7-8.1-10_10.1.1.9	Intel_Chipset_Win7-8.1-10_10.1.1.9	setup -s	
2	Graphics: Intel(R) VGA	Intel_VGA_Win7-8.1-10_32Bit_20.19.15.4300	Intel_VGA_Win7-8.1-10_64Bit_20.19.15.4300	setup -s	
3	Audio: Realtek High Definition	Realtek_Audio_Win7-8.1-10_6.0.1.7599	Realtek_Audio_Win7-8.1-10_6.0.1.7599	setup -s	
4	LAN: Intel(R) Ethernet Connection I219-V	Intel_LAN_Win7-8.1-10_12.15.22.3	Intel_LAN_Win7-8.1-10_12.15.22.3	setup -s	
5	Intel(R) Management Engine**	Intel_ME_Driver_11.0.2.1183_Win7-8.1-10 Microsoft Hot fix KB2685811_32	Intel_ME_Driver_11.0.2.1183_Win7-8.1-10 Microsoft Hot fix KB2685811_64	setup -s	
6	USB3.0	Intel_USB3.0_Win7_4.0.0.36	Intel_USB3.0_Win7_4.0.0.36	setup -s	
7	AHCI: Intel® Matrix Storage Manager*	AHCI__F6flpy_14.6.0.1029_32Bit Intel_RST_Win7-8.1-10_14.6.0.1029	AHCI__F6flpy_14.6.0.1029_64Bit Intel_RST_Win7-8.1-10_14.6.0.1029	setup -s	
8	TPM	TPM2.0_Win7-Patch	TPM2.0_Win7-Patch		Patch
9	*Microsoft NetFX	Microsoft_NetFX_Win7-8.1-10_4.5	Microsoft_NetFX_Win7-8.1-10_4.5		
10	**Microsoft Kernel-Mode Driver Framework	Microsoft_KMDF_Win7_1.11	Microsoft_KMDF_Win7_1.11		

*Microsoft .Net must be installed before installing the drivers. Without Microsoft .Net some drivers cannot be installed

** Microsoft Kernel-Mode Driver Framework must be installed before drivers. Without Microsoft Kernel-Mode Driver Framework, ME driver cannot be installed



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INF Driver Package details (Vig740M): Windows 7

Driver Description	Class	Version	Date
Chipset	Chipset	10.1.1.9	14/07/2015
Intel(R) 100 Series/C230 Chipset Family SATA AHCI Controller	AHCI	14.6.0.1029	27/07/2015
Intel(R) Display Audio	Display Audio	6.16.0.3182	20/08/2015
Intel(R) HD Graphics 510	VGA	20.19.15.4300	01/10/2015
Intel(R) Management Engine Interface	ME	11.0.2.1183	31/08/2015
Realtek High Definition Audio	Audio	6.0.1.7599	01/09/2015
Intel(R) Ethernet Connection (2) I219-V	LAN	12.15.22.3	24/11/2015
Intel(R) USB 3.0 Root Hub	USB3.0	4.0.0.36	15/06/2015
Intel(R) USB 3.0 eXtensible Host Controller	USB3.0	4.0.0.36	15/06/2015

Note: Intel(R) USB 3.0 Root Hub must be installed before Intel(R) USB 3.0 eXtensible Host Controller in order for INF drivers to be installed correctly.

Windows 8/8.1 (32 & 64Bit)		Driver/Utility			
Installation order		Executable File		Silent Switch	Comments
		Windows 8 32 Bit	Windows 8 64 Bit		
1	Chipset:	Intel_Chipset_Win7-8.1-10_10.1.1.9	Intel_Chipset_Win7-8.1-10_10.1.1.9	setup -s	
2	Onboard Graphics	Intel_VGA_Win7-8.1-10_32Bit_20.19.15.4300	Intel_VGA_Win7-8.1-10_64Bit_20.19.15.4300	setup -s	
3	Audio: Realtek ALC Audio	Realtek_Audio_Win7-8.1-10_6.0.1.7599	Realtek_Audio_Win7-8.1-10_6.0.1.7599	setup -s	
4	LAN: Intel(R) Ethernet Connection I219-V	Intel_LAN_Win7-8.1-10_12.15.22.3	Intel_LAN_Win7-8.1-10_12.15.22.3	setup -s	
5	Intel(R) Management Engine	Intel_ME_Driver_11.0.2.1183_Win7-8.1-10 Microsoft Hot fix KB2685811_32	Intel_ME_Driver_11.0.2.1183_Win7-8.1-10 Microsoft Hot fix KB2685811_64	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	AHCI__F6flpy_14.6.0.1029_32Bit Intel_RST_Win7-8.1-10_14.6.0.1029	AHCI__F6flpy_14.6.0.1029_64Bit Intel_RST_Win7-8.1-10_14.6.0.1029	setup -s	
7	Serial I/O	Intel_Serial-IO_Win8.1_10_30.63.1519.07	Intel_Serial-IO_Win8.1_10_30.63.1519.07	setup -s	
8	USB3.0	Intel_USB3.0_Win7_1.0.0.42	Intel_USB3.0_Win7_1.0.0.42	setup -s	

Windows 10 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
Installation order		Windows 8.1 32 Bit	Windows 8.1 64 Bit		
1	Chipset:	Intel_Chipset_Win7-8.1-10_10.1.1.9	Intel_Chipset_Win7-8.1-10_10.1.1.9	setup -s	
2	Onboard Graphics	Intel_VGA_Win7-8.1-10_32Bit_20.19.15.4300	Intel_VGA_Win7-8.1-10_64Bit_20.19.15.4300	setup -s	
3	Audio: Realtek ALC Audio	Realtek_Audio_Win7-8.1-10_6.0.1.7599	Realtek_Audio_Win7-8.1-10_6.0.1.7599	setup -s	
4	LAN: Intel(R) Ethernet Connection I219-V	Intel_LAN_Win7-8.1-10_12.15.22.3	Intel_LAN_Win7-8.1-10_12.15.22.3	setup -s	
5	Intel(R) Management Engine	Intel_ME_Driver_11.0.2.1183_Win7-8.1-10 Microsoft Hot fix KB2685811_32	Intel_ME_Driver_11.0.2.1183_Win7-8.1-10 Microsoft Hot fix KB2685811_64	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	AHCI_F6flpy_14.6.0.1029_32Bit Intel_RST_Win7-8.1-10_14.6.0.1029	AHCI_F6flpy_14.6.0.1029_64Bit Intel_RST_Win7-8.1-10_14.6.0.1029	setup -s	
7	Intel_Serial-IO_Win8.1_10_30.63.1519.07	Intel_Serial-IO_Win8.1_10_30.63.1519.07	Intel_Serial-IO_Win8.1_10_30.63.1519.07	setup -s	

Note: Not all driver updates require a restart. Even if you're not prompted, we always recommend restarting the system. 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.

Other Drivers/Software

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

Folder Name	NDIS2 Drivers
Win_PE_NDIS2_LAN_Driver	NDIS62_12.15.22.3_Win7-32Bit
	NDIS62_12.15.22.3_Win7-64Bit
	NDIS63_12.15.22.3_Win8-32Bit
	NDIS63_12.15.22.3_Win8-64Bit
	NDIS64_12.15.22.3_Win8.1-32Bit
	NDIS64_12.15.22.3_Win8.1-64Bit
	NDIS65_12.15.22.3_Win10-32Bit
	NDIS65_12.15.22.3_Win10-64Bit
Microsoft .Net 4.5	Microsoft .Net 4.5
TPM 2.0 Win 7 Patch	TPM 2.0 Win 7 Patch



PROPRIETARY

Drivers and latest BIOS are available from Viglen FTP site:

Vig740M -<http://download.viglen.co.uk/files/Motherboards/Vig740M/>

Graphics Cards

*** Graphics Driver for External VGA card can be downloaded from Viglen FTP site: <http://www.viglen.co.uk/viglen/support/ftpgraphics.aspx> or

AMD ATI - <http://support.amd.com/us/gpudownload/Pages/index.aspx>

NVidia - <http://www.nvidia.com/Download/index.aspx?lang=en-us>

Microsoft .Net can be downloaded from following URL: <http://www.microsoft.com/net/>. Microsoft.net 4.5 is also available on the Driver DVD

For BIOS, Drivers and Documentation enquiries please contact Viglen Technical Support Department on technical@viglen.co.uk.

Remember to include your PC serial number in all correspondence.