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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).

Driver DVD: WDXDCD68	Motherboard: Intel DX79TO
Revision: 1.2 Release Date: Nov 2012	Viglen Part code: PMPT001

Intel(R) Rapid Storage Technology Enterprise Driver:

Bios SATA Controller Mode	Controller
AHCI	Intel(R) C600 Series Chipset SATA AHCI Controller
RAID	Intel(R) C600 Series Chipset SATA RAID Controller

Unknown / Other Devices in Device Manager:

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_1D02	AHCI	Intel(R) C600 Series Chipset SATA AHCI Controller
Intel(R) C600 Series Chipset SATA RAID Controller	VEN_8086&DEV_2826	RAID	Intel(R) C600 Series Chipset SATA RAID Controller
Other devices			
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_10DE&DEV_0015	Chipset	Intel(R) C600/X79 series chipset High Definition Audio Controller - 1D20
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_10EC&DEV_0892	Audio	Realtek High Definition Audio
Base System Device	EN_8086&DEV_3C28	Chipset	Intel(R) Xeon(R) Processor E5 Product Family/Core i7 Address Map, VTd_Misc, System Management - 3C28
Base Systems Device	VEN_8086&DEV_3C2A	Chipset	Intel(R) Xeon(R) Processor E5 Product Family/Core i7 Control Status and Global Errors - 3C2A
Ethernet Controller	VEN_8086&DEV_1502	Ethernet	Intel® 82579LM Gigabit Network Connection
PCI Simple Communications Controller	VEN_8086&DEV_1D3A	Management Engine	Intel® Management Engine Interface
SM BUS Controller	VEN_8086&DEV_1D22	Chipset	Intel® C600/X79 series chipset SMBus Host Controller – 1D22
System Interrupt Controller	VEN_8086&DEV_3C2C	Chipset	Intel(R) Xeon(R) Processor E5 Product Family/Core i7 I/O APIC - 3C2C
Universal Serial BUS (USB) controller	VEN_1033&DEV_0194	USB3.0	Renesas Electronics USB 3.0 Host Controller
Unknown Device	NUSB3\ROOT_HUB30&VID_1033&PID_0194&REV_0004&SID_495380	USB3.0	Renesas Electronics USB 3.0 Root Hub



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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 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.

Windows 7 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
Installation order		Windows 7 32 Bit	Windows 7 64 Bit		
1	Chipset:	INF_allIOS_9.2.3.1023_PV.exe	INF_allIOS_9.2.3.1023_PV.exe	setup -s	
2	VGA Card***				
3	Audio: Realtek* ALC Audio	AUD_Win8_Win7_6.0.1.6710_PV	AUD_Win8_Win7_6.0.1.6710_PV	setup -s	
4	LAN: Intel(R) Gigabit	Intel_PROWin7_32_v17.3.exe	Intel_PROWin7_64_v17.3.exe	setup -s	
5	Intel(R) Management Engine	MEI_allIOS_7.1.21.1134_PV.exe	MEI_allIOS_7.1.21.1134_PV.exe	setup -s	
6	USB3.0	USB3.0_Win7_2.1.28.1_PV.exe	USB3.0_Win7_2.1.28.1_PV.exe		
7	AHCI/RAID: Intel(R) RSTe	RSTe_Win7_8_32_3.5.1.1009_F6 RSTe_Win7_8_3.5.1.1009_PV.exe	RSTe_Win7_8_64_3.5.1.1009_F6 RSTe_Win7_8_3.5.1.1009_PV.exe	setup -s	

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

INF Driver Package details:

Driver Description	Hardware ID	Class	Version	Date
Intel(R) 82579LM Gigabit Network Connection	VEN_8086&DEV_1502	Network Adapter	12.2.45.0	08/10/2012
Intel(R) C600 Series Chipset SATA AHCI Controller	VEN_8086&DEV_1D02	IDE ATA/ATPI Controllers	3.5.1.1008	09/14/2012
Intel(R) C600 Series Chipset SATA RAID Controller	VEN_8086&DEV_2826	Storage controller	3.5.1.1008	09/14/2012
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC &DEV_0892	Sound, video & game controllers	6.0.1.6710	21/08/2012
Intel(R) C600 X79 series chipset LPC Controller - 1D41	VEN_8086&DEV_1D41	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 1 - 1D10	VEN_8086&DEV_1D10	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 3 - 1D14	VEN_8086&DEV_1D14	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset PCI Express Virtual Root Port - 1D3E	VEN_8086&DEV_1D3E	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset SMBus Host Controller - 1D22	VEN_8086&DEV_1D22	System Device	9.2.3.1013	03/16/2011
Intel(R) C600 X79 series chipset USB2 Enhanced Host Controller #1 - 1D26	VEN_8086&DEV_1D26	System Devices	9.2.3.1013	03/16/2011
Intel(R) C600 X79 series chipset USB2 Enhanced Host Controller #2 - 1D2D	VEN_8086&DEV_1D2D	System Devices	9.2.3.1013	03/16/2011
Intel(R) Management Engine Interface	VEN_8086&DEV_1D3A	System Devices	7.1.21.1134	09/22/2011
Intel(R) Xeon(R) Processor E5 Product Family Core i7 DMI2 - 3C00	VEN_8086&DEV_3C00	System Device	9.2.3.1018	07/19/2011
Renesas Electronics USB 3.0 Host Controller	VEN_1033&DEV_0194	Universal Serial Bus controllers	2.1.28.0	10/25/2011
Renesas Electronics USB 3.0 Root Hub	NUSB3\ROOT_HUB30&VID_1033	Universal Serial Bus controllers	2.1.28.0	10/25/2011

Windows 8 (32 & 64Bit)		Driver/Utility			
					
Installation order		Executable File		Silent Switch	Comments
		Windows 7 32 Bit	Windows 7 64 Bit		
1	Chipset:	INF_allIOS_9.2.3.1023_PV.exe	INF_allIOS_9.2.3.1023_PV.exe	setup -s	
2	VGA Card***				
3	Audio: Realtek* ALC Audio	AUD_Win8_Win7_6.0.1.6710_PV.exe	AUD_Win8_Win7_6.0.1.6710_PV.exe	setup -s	
4	LAN: Intel(R) Gigabit	Intel_PROWin8_32_v17.2.exe	Intel_PROWin8_64_v17.2.exe	setup -s	
5	AHCI/RAID: Intel(R) RSTe	RSTe_Win7_8_32_3.5.1.1009_F6 RSTe_Win7_8_3.5.1.1009_PV.exe	RSTe_Win7_8_64_3.5.1.1009_F6 RSTe_Win7_8_3.5.1.1009_PV.exe	setup -s	
6	Intel(R) Management Engine	MEI_allIOS_7.1.21.1134_PV.exe	MEI_allIOS_7.1.21.1134_PV.exe	setup -s	

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

INF Driver Package details:

Driver Description	Hardware ID	Class	Version	Date
Intel(R) 82579LM Gigabit Network Connection	VEN_8086&DEV_1502	Network Adapter	12.2.45.0	08/10/2012
Intel(R) C600 Series Chipset SATA AHCI Controller	VEN_8086&DEV_1D02	IDE ATA/ATPI Controllers	3.5.1.1008	09/14/2012
Intel(R) C600 Series Chipset SATA RAID Controller	VEN_8086&DEV_2826	Storage controller	3.5.1.1008	09/14/2012
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC &DEV_0892	Sound, video & game controllers	6.0.1.6710	21/08/2012
Intel(R) C600 X79 series chipset LPC Controller - 1D41	VEN_8086&DEV_1D41	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 1 - 1D10	VEN_8086&DEV_1D10	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 3 - 1D14	VEN_8086&DEV_1D14	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset PCI Express Virtual Root Port - 1D3E	VEN_8086&DEV_1D3E	System Device	9.2.3.1016	06/08/2011
Intel(R) C600 X79 series chipset SMBus Host Controller - 1D22	VEN_8086&DEV_1D22	System Device	9.2.3.1013	03/16/2011
Intel(R) C600 X79 series chipset USB2 Enhanced Host Controller #1 - 1D26	VEN_8086&DEV_1D26	System Devices	9.2.3.1013	03/16/2011
Intel(R) C600 X79 series chipset USB2 Enhanced Host Controller #2 - 1D2D	VEN_8086&DEV_1D2D	System Devices	9.2.3.1013	03/16/2011
Intel(R) Management Engine Interface	VEN_8086&DEV_1D3A	System Devices	7.1.21.1134	09/22/2011
Intel(R) Xeon(R) Processor E5 Product Family Core i7 DMI2 - 3C00	VEN_8086&DEV_3C00	System Device	9.2.3.1018	07/19/2011

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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	LAN_Intel_Win7-32Bit_12.2.45.0	DOS_LAN_NDIS2
	LAN_Intel_Win7-64Bit_12.2.45.0	
	LAN_Intel_Win8_32Bit_12.2.45.0	
	LAN_Intel_Win8_64Bit_12.2.45.0	
Others	Microsoft .Net 3.5SP1	

Drivers and latest BIOS are available from Viglen FTP site:

Intel DQ79TO - <http://download.viglen.co.uk/files/Motherboards/DX79TO/>

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>

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.