

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: WDXDCD73	Motherboard: Intel DQ87PG, VIG800S
Revision: 1.3 Release Date: 14 August 2014	Viglen Part code: PMPPG001, PMPAS800

Intel(R) Rapid Storage Technology Enterprise Driver:

Bios SATA Controller Mode	Controller
AHCI	Intel(R) 8 Series C220 Chipset Family SATA AHCI Controller
RAID	Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller

Unknown / Other Devices in Device Manager (DQ87PG):

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_8C02	AHCI	Intel(R) 8 Series C220 Chipset Family SATA AHCI Controller
Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID	VEN_8086&DEV_2822	RAID	Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller
Other devices			
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_8086&DEV_2807	Display	Intel(R) Display Audio
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662	Audio	Realtek High Definition Audio
Ethernet Controller	VEN_8086&DEV_153A	LAN driver	Intel(R) Ethernet Connection I217-LM
PCI Serial port	VEN_8086&DEV_8C3D	AMT	Intel(R) Active Management Technology - SOL
PCI Simple Communication Controller	VEN_8086&DEV_8C3A	AMT	Intel(R) Management Engine Interface
SM BUS Controller	VEN_8086&DEV_8C22	Chipset	Intel(R) 8 Series/C220 Series SMBus Controller - 8C22
Universal Serial BUS (USB) controller	VEN_8086&DEV_8C31	USB3.0	Intel(R) USB 3.0 eXtensible Host Controller
Unknown Device	ACPI\INT33A0	USB3.0	Intel(R) USB 3.0 Root Hub
Video Controller (VGA compatible)	VEN_8086&DEV_0412	VGA Driver	Intel(R) HD Graphics
Unknown Devices	ACPI\PNP0C31	TPM	Winbond Trusted Platform Module 1.2
Unknown	ACPI\INT33A0	Smart Connect	Intel(R) Smart Connect Technology Device



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Unknown / Other Devices in Device Manager (Vig800S):

Hardware Devices Listed in device Manager	Hardware ID	Associated Driver	INF Drivers
IDE ATA/ATAPI Controllers			
Standard AHCI 1.0 serial ATA Controller	VEN_8086&DEV_8C02	AHCI	Intel(R) 8 Series C220 Chipset Family SATA AHCI Controller
Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller	VEN_8086&DEV_2822	RAID	Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller
Other devices			
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_8086&DEV_2807	Display	Intel(R) Display Audio
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662	Audio	Realtek High Definition Audio
Ethernet Controller	VEN_8086&DEV_153A	LAN driver	Intel(R) Ethernet Connection I217-LM
PCI Serial port	VEN_8086&DEV_8C3D	AMT	Intel(R) Active Management Technology - SOL
PCI Simple Communication Controller	VEN_8086&DEV_8C3A	AMT	Intel(R) Management Engine Interface
SM BUS Controller	VEN_8086&DEV_8C22	Chipset	Intel(R) 8 Series/C220 Series SMBus Controller - 8C22
Universal Serial BUS (USB) controller	VEN_8086&DEV_8C31	USB3.0	Intel(R) USB 3.0 eXtensible Host Controller
Unknown Device	ACPI\INT33A0	USB3.0	Intel(R) USB 3.0 Root Hub
Video Controller (VGA compatible)	VEN_8086&DEV_0412	VGA Driver	Intel(R) HD Graphics
Unknown Devices	ACPI\FX0102 *IFX0102	TPM	Trusted Platform Module 1.2
Unknown	ACPI\PNP0A0A *PNP0A0A		AMDA00 Interface
Unknown	ACPI\INT33A0	Smart Connect	Intel(R) Smart Connect Technology Device

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.



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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_9.4.0.1027.exe	INF_allIOS_9.4.0.1027.exe	setup -s	
2	Onboard Graphics	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_64_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: Intel(R) Gigabit	LAN_Win7_32_PROWin_19.1.exe	LAN_Win7_32_PROWin_19.1.exe	setup -s	
5	Intel(R) Management Engine	MEI_Win7_Win8_9.0.20.1447_5.0M_PV	MEI_Win7_Win8_9.0.20.1447_5.0M_PV	setup -s	
6	USB3.0	USB_3.0_Win7_2.5.1.28	USB_3.0_Win7_2.5.1.28	setup -s	
7	AHCI/RAID: Intel® Matrix Storage Manager	RST_Win7_Win8.1_12.8.0.1016 AHCI_f6flpy-x86_12.8.0.1016	RST_Win7_Win8.1_12.8.0.1016 AHCI_f6flpy-x64_12.8.0.1016	setup -s	
8	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	
9	Intel Rapid Start Technology	Rapid Start Technology Installer_3.0.0.1053	Rapid Start Technology Installer_3.0.0.1053	Setup -s	
10	AMDA00 Interface	AMDA00_ACPI_Win7Win8Win8_14.47.55.692	AMDA00_ACPI_Win7Win8Win8_1_14.47.55.692		Vig800S

INF Driver Package details (DQ87PG): Windows 7

Driver Description	Hardware ID	Class	Version	Date
Intel(R) 8 Series/C220 Chipset Family SATA AHCI Controller	VEN_8086&DEV_8C02	AHCI	12.8.0.1016	08/01/2013
Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller	VEN_8086&DEV_2822	RIAD	12.8.0.1016	08/01/2013
Intel(R) 4th Gen Core processor DRAM Controller - 0C00	VEN_8086&DEV_0C00	Chipset	9.4.0.1023	07/09/2013
Intel(R) Q87 LPC Controller - 8C4E	VEN_8086&DEV_8C4E	Chipset	9.4.0.1023	07/09/2013
Intel(R) 8 Series C220 Series SMBus Controller - 8C22	VEN_8086&DEV_8C22	Chipset	9.4.0.1023	07/09/2013
Intel(R) Smart Connect Technology Device	ACPI\INT33A0	Smart Connect	1.0.11	10/31/2013
Intel(R) Ethernet Connection I217-LM	VEN_8086&DEV_153A	LAN	12.11.96.1	03/14/2014
Intel(R) Active Management Technology - SOL	VEN_8086&DEV_8C3D	AMT	9.5.10.1586	06/14/2013
Intel(R) Management Engine Interface	VEN_8086&DEV_8C3A	AMT	9.5.10.1658	07/02/2013
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2807	Graphics	6.16.00.3135	01/15/2014
Intel(R) HD Graphics 4600	VEN_8086&DEV_0412	Graphics	10.18.10.3496	03/11/2014
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662	Sound	6.0.1.7240	05/06/2014
Intel(R) USB 3.0 eXtensible Host Controller	VEN_8086&DEV_8C31&SUBSYS_204C8086	USB3.0	2.5.1.28	08/08/2013
Intel(R) USB 3.0 Root Hub	ACPI\INT33A0	USB3.0	2.5.1.28	08/08/2013
AMDA00 Interface (Required on Vig800S board only)	ACPI\PNP0A0A	AMDA00 Interface	14.47.55.692	05/13/2013

Windows 8 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 8 32 Bit	Windows 8 64 Bit		
Installation order					
1	Chipset:	INF_allIOS_9.4.0.1027.exe	INF_allIOS_9.4.0.1027.exe	setup -s	
2	Onboard Graphics	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_64_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: Intel(R) Gigabit	LAN_Win8.1_32_PROWin_19.1	LAN_Win8.1_64_PROWin_19.1	setup -s	
5	Intel(R) Management Engine	MEI_Win8.1_5.0M_9.5.15.1730_PV	MEI_Win8.1_5.0M_9.5.15.1730_PV	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	RST_Win7_Win8.1_12.8.0.1016 AHCI_f6flpy-x86_12.8.0.1016	RST_Win7_Win8.1_12.8.0.1016 AHCI_f6flpy-x64_12.8.0.1016		
7	Intel Smart Connect	Smart_Connect_Win7_8_8.1_5.0.10.2832	Smart_Connect_Win7_8_8.1_5.0.10.2832		
8	AMDA00 Interface	AMDA00_ACPI_Win7Win8Win8_14.47.55.692	AMDA00_ACPI_Win7Win8Win8_1_14.47.55.692		Vig800S

INF Driver Package details: Windows 8

Driver Description	Hardware ID	Class	Version	Date
Intel(R) 8 Series/C220 Chipset Family SATA AHCI Controller	VEN_8086&DEV_8C02	AHCI	12.8.0.1016	08/01/2013
Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller	VEN_8086&DEV_2822	RIAD	12.8.0.1016	08/01/2013
Intel(R) 4th Gen Core processor DRAM Controller - 0C00	VEN_8086&DEV_0C00	Chipset	9.4.0.1023	07/09/2013
Intel(R) Q87 LPC Controller - 8C4E	VEN_8086&DEV_8C4E	Chipset	9.4.0.1023	07/09/2013
Intel(R) 8 Series C220 Series SMBus Controller - 8C22	VEN_8086&DEV_8C22	Chipset	9.4.0.1023	07/09/2013
Intel(R) Smart Connect Technology Device	ACPI\INT33A0	Smart Connect	1.0.11	10/31/2013
Intel(R) Ethernet Connection I217-LM	VEN_8086&DEV_153A	LAN	12.11.96.1	03/14/2014
Intel(R) Active Management Technology - SOL	VEN_8086&DEV_8C3D	AMT	9.5.10.1586	06/14/2013
Intel(R) Management Engine Interface	VEN_8086&DEV_8C3A	AMT	9.5.15.1730	09/05/2013
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2807	Graphics	6.16.00.3135	01/15/2014
Intel(R) HD Graphics 4600	VEN_8086&DEV_0412	Graphics	10.18.10.3496	03/11/2014
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662	Sound	6.0.1.7240	05/06/2014
AMDA00 Interface (Required on Vig800S board only)	ACPI\PNP0A0A	AMDA00 Interface	1.0.0.0	06/27/2013



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Windows 8.1 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
Installation order		Windows 8.1 32 Bit	Windows 8.1 64 Bit		
1	Chipset:	INF_allIOS_9.4.0.1027.exe	INF_allIOS_9.4.0.1027.exe	setup -s	
2	Onboard Graphics	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_64_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: Intel(R) Gigabit	LAN_Win8.1_32_PROWin_19.1	LAN_Win8.1_64_PROWin_19.1	setup -s	
5	Intel(R) Management Engine	MEI_Win8.1_5.0M_9.5.15.1730_PV	MEI_Win8.1_5.0M_9.5.15.1730_PV	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	RST_Win7_Win8.1_12.8.0.1016 AHCI_f6flpy-x86_12.8.0.1016	RST_Win7_Win8.1_12.8.0.1016 AHCI_f6flpy-x64_12.8.0.1016		
7	Intel Smart Connect	Smart_Connect_Win7_8_8.1_5.0.10.2832	Smart_Connect_Win7_8_8.1_5.0.10.2832		
8	AMDA00 Interface	AMDA00_ACPI_Win7Win8Win8_14.47.55.692	AMDA00_ACPI_Win7Win8Win8_1_14.47.55.692		Vig800S

INF Driver Package details: Windows 8.1

Driver Description	Hardware ID	Class	Version	Date
Intel(R) 8 Series/C220 Chipset Family SATA AHCI Controller	VEN_8086&DEV_8C02	AHCI	12.8.0.1016	08/01/2013
Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller	VEN_8086&DEV_2822	RIAD	12.8.0.1016	08/01/2013
Intel(R) 4th Gen Core processor DRAM Controller - 0C00	VEN_8086&DEV_0C00	Chipset	9.4.0.1023	07/09/2013
Intel(R) Q87 LPC Controller - 8C4E	VEN_8086&DEV_8C4E	Chipset	9.4.0.1023	07/09/2013
Intel(R) 8 Series C220 Series SMBus Controller - 8C22	VEN_8086&DEV_8C22	Chipset	9.4.0.1023	07/09/2013
Intel(R) Smart Connect Technology Device	ACPI\INT33A0	Smart Connect	1.0.11	10/31/2013
Intel(R) Ethernet Connection I217-LM	VEN_8086&DEV_153A	LAN	12.11.96.1	03/14/2014
Intel(R) Active Management Technology - SOL	VEN_8086&DEV_8C3D	AMT	9.5.10.1586	06/14/2013
Intel(R) Management Engine Interface	VEN_8086&DEV_8C3A	AMT	9.5.15.1730	09/05/2013
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2807	Graphics	6.16.00.3135	01/15/2014
Intel(R) HD Graphics 4600	VEN_8086&DEV_0412	Graphics	10.18.10.3496	03/11/2014
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662	Sound	6.0.1.7240	05/06/2014
AMDA00 Interface (Required on Vig800S board only)	ACPI\PNP0A0A	AMDA00 Interface	1.0.0.0	06/27/2013

Board support for legacy operating systems

Drivers for older operating systems that Microsoft has discontinued or does not fully support should be considered AS-IS in respect to features, function, debugging and usability. Viglen will not provide drivers or technical support for them as these operating systems have not been fully validated and not all the drivers are available. These operating systems include Windows Vista, Windows XP Editions, Windows ME, Windows 2000 Professional Edition, Windows NT, Windows 98 Standard Edition (SE), Windows 98 and Windows 95. Please refer to the following Microsoft sites for more information: No Drivers are available for Windows XP

<http://support.microsoft.com/gp/lifepolicy>*

<http://windows.microsoft.com/en-us/windows/products/lifecycle>*

Note: There are no Windows XP drivers available for DQ87PG and Vig800S motherboard.

Driver installation Guide –DQ87PG, Vig800S Motherboards Revision 1.3

Viglen recommends Windows 8.

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Other Drivers/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_12.11.96.1	
	LAN_Intel_Win7-64bit_12.11.96.1	
	LAN_Intel_Win8-32bit_12.11.96.1	
	LAN_Intel_Win8-64bit_12.11.96.1	
	LAN_Intel_Win8.1-32bit_12.11.96.1	
	LAN_Intel_Win8.1-64bit_12.11.96.1	
Others	Microsoft .Net 3.5SP1	

Drivers and latest BIOS are available from Viglen FTP site:

Intel DQ87PG – <http://download.viglen.co.uk/files/Motherboards/DQ87PG/>

Vig800S - <http://download.viglen.co.uk/files/Motherboards/Vig800S/>

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 3.5 and 4.0 is also available on the Driver DVD under "Others" Folder

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.