

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: WDXDCD77	Motherboard: Vig810S, Vig820S Motherboard
Revision: 1.3 Release Date: 17 Sept 2015	Viglen Part code: PMPAS810, PMPAS820

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 (Vig810S):

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 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 Device	ACPI\VEN_IFX&DEV_0102	TPM	Trusted Platform Module 1.2
Unknown Device	ACPI\INT33A0	Smart Connect	Intel(R) Smart Connect Technology Device
Unknown Device	ACPI\PNP0A0A	AMDA00 Interface	AMDA00

Unknown / Other Devices in Device Manager (Vig820S):

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 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
Ethernet Controller	VEN_10EC&DEV_8168	LAN driver	Realtek PCIe GBE Family Controller
Ethernet Controller	VEN_168C&DEV_0037	WLAN	Qualcomm Atheros AR1111 Wireless Network Adapter
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 Device	ACPI\PNP0C31	TPM	Winbond Trusted Platform Module 1.2
Unknown Device	ACPI\INT33A0	Smart Connect	Intel(R) Smart Connect Technology Device
Unknown Device	USB\VID_0BDA&PID_0129&REV_3960	Card reader	Realtek USB 2.0 Card Reader
Unknown Device	ACPI\PNP0A0A	AMDA00 Interface	AMDA00

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_9.4.0.1022.exe	INF_allIOS_9.4.0.1022.exe	setup -s	
2	Onboard Graphics	GFX_Win7_Win8_32_15.31.17.3257.exe	GFX_Win7_Win8_64_15.31.17.64.3257.exe	setup -s	
3	Audio: Realtek* ALC Audio	AUD_Win8_Win7_6.0.1.6914_PV.exe	AUD_Win8_Win7_6.0.1.6914_PV.exe	setup -s	
4	LAN: Intel(R) Gigabit	LAN_Intel_PROWin7_32_18.5.exe	LAN_Intel_PROWin7_64_18.5.exe	setup -s	
5	LAN: Realtek *	Realtek_LAN_V7854252014_Win7	Realtek_LAN_V7854252014_Win7	Setup -s	
6	Intel(R) Management Engine	MEI_allIOS_5.0M_9.0.5.1367_PV.exe	MEI_allIOS_5.0M_9.0.5.1367_PV.exe	setup -s	
7	USB3.0	USB3.0_Win7_2.5.0.19.zip	USB3.0_Win7_2.5.0.19.zip	setup -s	
8	AHCI/RAID: Intel® Matrix Storage Manager	STOR_Win7_8_12.5.0.1066.exe STOR_Win7_8_12.5.0.1066_f6flpy-x86.zip	STOR_Win7_8_12.5.0.1066.exe STOR_Win7_8_12.5.0.1066_f6flpy-x64.zip	setup -s	
9	Intel Smart Connect	Smart_Connect_Win8_Win7_4.1.40.2143_PV.exe	Smart_Connect_Win8_Win7_4.1.40.2143_PV.exe	Setup -s	
10	Intel Rapid Start Technology	Intel Rapid Start Technology Win7_3.0.0.1008	Intel Rapid Start Technology Win7_3.0.0.1008	Setup -s	
11	AMDA00 Interface	AMDA00_ACPI_Win7Win8Win8-1_14.47.55.692.zip	AMDA00_ACPI_Win7Win8Win8-1_14.47.55.692.zip		
12	Memory Card Reader*	RtsUVStor_6.2.9200.39052_XP-7-8-8-1	RtsUVStor_6.2.9200.39052_XP-7-8-8-1		
13	Wireless LAN*	WLAN_Win7-10.0.0.234-whql	WLAN_Win7-10.0.0.234-whql		

**Applies to Vig820S Motherboard*

INF Driver Package details (Vig810S/Vig820S): Windows 7

Driver Description	Hardware ID	Class	Version	Date
Intel(R) 8 Series/C220 Chipset Family SATA AHCI Controller	VEN_8086&DEV_8C02	AHCI	12.5.0.1066	03/18/2013
Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller	VEN_8086&DEV_2822	RIAD	12.5.0.1066	03/18/2013
Intel(R) 4th Gen Core processor DRAM Controller - 0C00	VEN_8086&DEV_0C00	Chipset	9.4.0.1021	07/09/2013
Intel(R) Q87 LPC Controller - 8C4E	VEN_8086&DEV_8C4E	Chipset	9.4.0.1021	07/09/2013
Intel(R) 8 Series C220 Series SMBus Controller - 8C22	VEN_8086&DEV_8C22	Chipset	9.4.0.1021	07/09/2013
Intel(R) Smart Connect Technology Device	ACPI\INT33A0	Smart Connect	1.0.8.0	11/19/2012
Intel(R) Ethernet Connection I217-LM	VEN_8086&DEV_153A	LAN	12.8.33.0	05/30/2013
Realtek PCIe GBE Family Controller	VEN_10EC&DEV_8168	LAN	7.85.425.2014	25/04/2014
Intel(R) Active Management Technology - SOL	VEN_8086&DEV_8C3D	AMT	9.0.0.1287	12/17/2012
Intel(R) Management Engine Interface	VEN_8086&DEV_8C3A	AMT	9.0.0.1287	12/17/2012
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2807	Graphics	6.16.0.3112	05/22/2013
Intel(R) HD Graphics 4600	VEN_8086&DEV_0412	Graphics	9.18.10.3257	07/29/2013
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662	Sound	6.0.6914	21/05/2013
Intel(R) USB 3.0 eXtensible Host Controller	VEN_8086&DEV_8C31&SUBSYS_204C8086	USB3.0	2.5.0.19	03/29/2013
Intel(R) USB 3.0 Root Hub	ACPI\INT33A0	USB3.0	2.5.0.19	03/29/2013
AMDA00 Interface	ACPI\PNP0A0A	AMDA00	14.47.55.692	27/06/2013
Qualcomm Atheros AR1111 Wireless Network Adapter	VEN_168C&DEV_0037&SUBSYS_11951A3B&REV_01	WLAN	10.0.0.234	03/11/2013
USB2.0-CRW	USB\VID_0BDA&PID_0129&REV_3960	SD Card Reader	6.2.9200.39052	08/08/2013



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Windows 8.1 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 8.1 32 Bit	Windows 8.1 64 Bit		
1	Chipset:	INF_allIOS_9.4.0.1022.exe	INF_allIOS_9.4.0.1022.exe	setup -s	
2	Onboard Graphics	GFX_Win7_Win8_32_15.31.17.3257 .exe	GFX_Win7_Win8_64_15.31.17.64.3257.exe	Setup -s	
3	Audio: Realtek* ALC Audio	AUD_Win8_Win7_6.0.1.6914_PV.exe	AUD_Win8_Win7_6.0.1.6914_PV.exe	setup -s	
4	LAN: Intel(R) Gigabit	LAN_Intel_PROWin7_32_18.5.exe	LAN_Intel_PROWin7_64_18.5.exe	setup -s	
5	LAN: Realtek	Realtek_LAN_V8314232014_Win8	Realtek_LAN_V8314232014_Win8	Setup -s	
6	Intel(R) Management Engine	MEI_allIOS_5.0M_9.0.5.1367_PV.exe	MEI_allIOS_5.0M_9.0.5.1367_PV.exe	setup -s	
7	AHCI/RAID: Intel® Matrix Storage Manager	STOR_Win7_8_12.5.0.1066.exe STOR_Win7_8_12.5.0.1066_f6flpy-x86.zip	STOR_Win7_8_12.5.0.1066.exe STOR_Win7_8_12.5.0.1066_f6flpy-x64.zip		
8	Intel Smart Connect	Smart_Connect_Win8_Win7_4.1.40.2143_PV.exe	Smart_Connect_Win8_Win7_4.1.40.2143_PV.exe		
9	AMDA00 Interface	AMDA00_ACPI_Win7Win8Win8-1_14.47.55.692.zip	AMDA00_ACPI_Win7Win8Win8-1_14.47.55.692.zip		
10	Memory Card Reader	RtsUVStor_6.2.9200.39052_XP-7-8-8-1	RtsUVStor_6.2.9200.39052_XP-7-8-8-1		

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	12.5.0.1066	03/18/2013
Intel(R) ICH8R/ICH9R/ICH10R/DO SATA RAID Controller	VEN_8086&DEV_2822	RIAD	12.5.0.1066	03/18/2013
Intel(R) 4th Gen Core processor DRAM Controller - 0C00	VEN_8086&DEV_0C00	Chipset	9.4.0.1021	07/09/2013
Intel(R) Q87 LPC Controller - 8C4E	VEN_8086&DEV_8C4E	Chipset	9.4.0.1021	07/09/2013
Intel(R) 8 Series C220 Series SMBus Controller - 8C22	VEN_8086&DEV_8C22	Chipset	9.4.0.1021	07/09/2013
Intel(R) Smart Connect Technology Device	ACPI\INT33A0	Smart Connect	1.0.8.0	11/19/2012
Intel(R) Ethernet Connection I217-LM	VEN_8086&DEV_153A	LAN	12.8.33.0	05/30/2013
Realtek PCIe GBE Family Controller	VEN_10EC&DEV_8168	LAN	8.31.423.2014	23/04/2014
Intel(R) Active Management Technology - SOL	VEN_8086&DEV_8C3D	AMT	9.0.0.1287	12/17/2012
Intel(R) Management Engine Interface	VEN_8086&DEV_8C3A	AMT	9.0.0.1287	12/17/2012
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2807	Graphics	6.16.0.3112	05/22/2013
Intel(R) HD Graphics 4600	VEN_8086&DEV_0412	Graphics	9.18.10.3257	07/29/2013
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662	Sound	6.0.6914	21/05/2013
Realtek USB 2.0 Card Reader	USB\VID_0BDA&PID_0129&REV_3960	SD Card Reader	6.2.9200.39052	08/08/2013



PROPRIETARY

Windows 10 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
Installation order		Windows 10 32 Bit	Windows 10 64 Bit		
1	Chipset:	INF_Chipset_Win10_10.1.1.9	INF_Chipset_Win10_10.1.1.9	setup -s	
2	Onboard Graphics	Intel_VGA_Win10_32_10.18.15.4248	Intel_VGA_Win10-64-10.18.15.4248	Setup -s	
3	Audio: Realtek* ALC Audio	AUD_Win7-Win8-Win10_6.0.1.7534	AUD_Win7-Win8-Win10_6.0.1.7534	setup -s	
4	LAN: Intel(R) Gigabit	Intel_LAN_Win10_20120190	Intel_LAN_Win10_20120190	setup -s	
5	LAN: Realtek*	Realtek_LAN_Win10_10.1.505.2015	Realtek_LAN_Win10_10.1.505.2015	Setup -s	
6	Intel(R) Management Engine	MEI_Win10_11.0.0.1156_HF	MEI_Win10_11.0.0.1156_HF	setup -s	
7	AHCI/RAID: Intel® Matrix Storage Manager	RST_14.5.0.1081_Win10 AHCI_f6flpy_14.5.0.1081_Win10_32Bit	RST_14.5.0.1081_Win10 AHCI_f6flpy_14.5.0.1081_Win10_64Bit		
8	AMDA00 Interface	AMDA00_1725410_Win10	AMDA00_1725410_Win10		
9	Memory Card Reader*	RtsUer_10.0.10125.31214_Win10	RtsUer_10.0.10125.31214_Win10		

**Applies to Vig820S Motherboard*

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_12.8.33.0	
	LAN_Intel_Win7-64bit_12.8.33.0	
	LAN_Intel_Win8-32bit_12.8.33.0	
	LAN_Intel_Win8-64bit_12.8.33.0	
Others	Microsoft .Net 3.5SP1	



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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://support.microsoft.com/gp/lifeselect>*

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

Note: There are no Windows XP drivers available for Viglen Vig810S and Vig820S motherboard.

Drivers and latest BIOS are available from Viglen FTP site:

Viglen Vig810S - <http://download.viglen.co.uk/files/Motherboards/Vig810S/>

Viglen Vig820S – <http://download.viglen.co.uk/files/Motherboards/Vig820S/>

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.